|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sveconorwegian columbite-tantalite minerals** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tors gruve | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Torsgruve-1 | 59.99 | 21.62 | 13.09 | 6.04 | 0.32 | 0.46 | 0.01 | 0.05 | 0.13 | 0.00 | 0.00 | 0.12 | 0.00 | 101.82 | 1.6412 | 0.3558 | 0.6625 | 0.3096 | 0.0146 | 0.0072 | 0.0006 | 0.0026 | 0.0031 | 0.0000 | 0.0027 | 0.178 | 0.318 |
| Torsgruve-2 | 59.67 | 22.08 | 13.19 | 6.15 | 0.31 | 0.56 | 0.02 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 102.12 | 1.6282 | 0.3624 | 0.6658 | 0.3144 | 0.0141 | 0.0088 | 0.0013 | 0.0026 | 0.0024 | 0.0000 | 0.0000 | 0.182 | 0.321 |
| Torsgruve-3 | 58.81 | 21.61 | 13.23 | 5.96 | 0.30 | 0.56 | 0.00 | 0.04 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 100.60 | 1.6273 | 0.3597 | 0.6772 | 0.3090 | 0.0138 | 0.0089 | 0.0000 | 0.0021 | 0.0020 | 0.0000 | 0.0000 | 0.181 | 0.313 |
| Torsgruve-4 | 59.79 | 21.64 | 13.14 | 5.95 | 0.31 | 0.56 | 0.00 | 0.07 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 101.60 | 1.6403 | 0.3571 | 0.6669 | 0.3058 | 0.0141 | 0.0088 | 0.0000 | 0.0037 | 0.0031 | 0.0000 | 0.0000 | 0.179 | 0.314 |
| Torsgruve-5 | 59.56 | 21.71 | 13.14 | 6.12 | 0.32 | 0.47 | 0.00 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 101.45 | 1.6337 | 0.3582 | 0.6667 | 0.3145 | 0.0146 | 0.0074 | 0.0000 | 0.0026 | 0.0022 | 0.0000 | 0.0000 | 0.180 | 0.321 |
| Torsgruve-6 | 59.14 | 21.64 | 13.31 | 6.06 | 0.33 | 0.60 | 0.00 | 0.06 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 101.24 | 1.6242 | 0.3575 | 0.6762 | 0.3118 | 0.0151 | 0.0094 | 0.0000 | 0.0032 | 0.0027 | 0.0000 | 0.0000 | 0.180 | 0.316 |
| Torsgruve-7 | 59.87 | 21.67 | 13.23 | 5.96 | 0.34 | 0.58 | 0.00 | 0.04 | 0.10 | 0.00 | 0.00 | 0.11 | 0.00 | 101.89 | 1.6373 | 0.3565 | 0.6693 | 0.3054 | 0.0155 | 0.0091 | 0.0000 | 0.0021 | 0.0024 | 0.0000 | 0.0024 | 0.179 | 0.313 |
| Torsgruve-8 | 59.60 | 21.43 | 13.26 | 6.04 | 0.33 | 0.57 | 0.01 | 0.04 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 101.38 | 1.6343 | 0.3535 | 0.6726 | 0.3103 | 0.0151 | 0.0090 | 0.0006 | 0.0021 | 0.0024 | 0.0000 | 0.0000 | 0.178 | 0.316 |
| Torsgruve-9 | 59.65 | 21.70 | 13.10 | 6.17 | 0.33 | 0.59 | 0.00 | 0.05 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 101.73 | 1.6328 | 0.3573 | 0.6634 | 0.3164 | 0.0150 | 0.0093 | 0.0000 | 0.0026 | 0.0031 | 0.0000 | 0.0000 | 0.180 | 0.323 |
| Torsgruve-10 | 60.08 | 21.33 | 12.91 | 6.50 | 0.38 | 0.66 | 0.00 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 101.93 | 1.6373 | 0.3497 | 0.6508 | 0.3319 | 0.0172 | 0.0103 | 0.0000 | 0.0021 | 0.0007 | 0.0000 | 0.0000 | 0.176 | 0.338 |
| Torsgruve-11 | 60.11 | 21.50 | 12.80 | 6.64 | 0.33 | 0.39 | 0.02 | 0.04 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 101.88 | 1.6378 | 0.3524 | 0.6452 | 0.3390 | 0.0150 | 0.0061 | 0.0013 | 0.0021 | 0.0012 | 0.0000 | 0.0000 | 0.177 | 0.344 |
| Torsgruve-13 | 59.33 | 21.52 | 13.39 | 6.06 | 0.32 | 0.63 | 0.01 | 0.05 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 101.46 | 1.6249 | 0.3545 | 0.6784 | 0.3110 | 0.0146 | 0.0099 | 0.0006 | 0.0026 | 0.0034 | 0.0000 | 0.0000 | 0.179 | 0.314 |
| Torsgruve-14 | 59.04 | 21.21 | 12.92 | 5.89 | 0.32 | 0.59 | 0.03 | 0.03 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 100.14 | 1.6424 | 0.3549 | 0.6649 | 0.3070 | 0.0148 | 0.0094 | 0.0020 | 0.0016 | 0.0029 | 0.0000 | 0.0000 | 0.178 | 0.316 |
| Torsgruve-15 | 59.42 | 21.58 | 13.30 | 6.10 | 0.37 | 0.49 | 0.01 | 0.05 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 101.44 | 1.6270 | 0.3554 | 0.6737 | 0.3129 | 0.0169 | 0.0077 | 0.0006 | 0.0026 | 0.0031 | 0.0000 | 0.0000 | 0.179 | 0.317 |
| Torsleach-1-1 | 59.37 | 22.03 | 13.20 | 6.11 | 0.32 | 0.52 | 0.00 | 0.07 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 101.75 | 1.6253 | 0.3628 | 0.6685 | 0.3134 | 0.0146 | 0.0082 | 0.0000 | 0.0037 | 0.0036 | 0.0000 | 0.0000 | 0.182 | 0.319 |
| Torsleach-1-2 | 58.88 | 21.90 | 13.07 | 6.02 | 0.34 | 0.57 | 0.00 | 0.07 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 100.96 | 1.6259 | 0.3638 | 0.6676 | 0.3114 | 0.0156 | 0.0090 | 0.0000 | 0.0037 | 0.0029 | 0.0000 | 0.0000 | 0.183 | 0.318 |
| Torsleach-1-3 | 59.07 | 22.09 | 13.21 | 6.21 | 0.32 | 0.56 | 0.00 | 0.06 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 101.61 | 1.6186 | 0.3641 | 0.6696 | 0.3188 | 0.0146 | 0.0088 | 0.0000 | 0.0032 | 0.0024 | 0.0000 | 0.0000 | 0.184 | 0.323 |
| Torsleach-1-4 | 59.12 | 21.97 | 13.29 | 6.17 | 0.35 | 0.61 | 0.00 | 0.07 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 101.66 | 1.6179 | 0.3617 | 0.6728 | 0.3163 | 0.0159 | 0.0096 | 0.0000 | 0.0037 | 0.0022 | 0.0000 | 0.0000 | 0.183 | 0.320 |
| Torsleach-1-5 | 59.16 | 21.96 | 13.21 | 6.19 | 0.33 | 0.48 | 0.01 | 0.05 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 101.52 | 1.6214 | 0.3620 | 0.6697 | 0.3178 | 0.0150 | 0.0075 | 0.0006 | 0.0026 | 0.0031 | 0.0000 | 0.0000 | 0.183 | 0.322 |
| Torsleach-2-1 | 58.88 | 22.30 | 13.27 | 6.18 | 0.34 | 0.74 | 0.01 | 0.04 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 101.85 | 1.6118 | 0.3672 | 0.6720 | 0.3170 | 0.0155 | 0.0116 | 0.0006 | 0.0021 | 0.0022 | 0.0000 | 0.0000 | 0.186 | 0.321 |
| Torsleach-2-2 | 59.14 | 21.91 | 13.16 | 6.15 | 0.30 | 0.61 | 0.00 | 0.05 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 101.49 | 1.6236 | 0.3618 | 0.6684 | 0.3163 | 0.0137 | 0.0096 | 0.0000 | 0.0026 | 0.0039 | 0.0000 | 0.0000 | 0.182 | 0.321 |
| Torsleach-2-3 | 58.90 | 22.18 | 13.09 | 6.09 | 0.34 | 0.65 | 0.01 | 0.05 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 101.45 | 1.6202 | 0.3670 | 0.6661 | 0.3139 | 0.0156 | 0.0102 | 0.0007 | 0.0027 | 0.0036 | 0.0000 | 0.0000 | 0.185 | 0.320 |
| Torsleach-3-1 | 60.15 | 21.45 | 13.29 | 5.98 | 0.32 | 0.61 | 0.01 | 0.05 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 101.99 | 1.6409 | 0.3520 | 0.6707 | 0.3057 | 0.0145 | 0.0095 | 0.0006 | 0.0026 | 0.0034 | 0.0000 | 0.0000 | 0.177 | 0.313 |
| Torsleach-3-2 | 59.35 | 21.75 | 13.28 | 6.04 | 0.31 | 0.52 | 0.00 | 0.06 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 101.37 | 1.6292 | 0.3591 | 0.6743 | 0.3106 | 0.0142 | 0.0082 | 0.0000 | 0.0032 | 0.0012 | 0.0000 | 0.0000 | 0.181 | 0.315 |
| Torsleach-3-3 | 59.92 | 21.50 | 13.28 | 6.17 | 0.33 | 0.50 | 0.01 | 0.05 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 101.90 | 1.6332 | 0.3525 | 0.6696 | 0.3151 | 0.0150 | 0.0078 | 0.0006 | 0.0026 | 0.0036 | 0.0000 | 0.0000 | 0.178 | 0.320 |
| Torsleach-3-4 | 59.32 | 21.52 | 13.14 | 6.11 | 0.34 | 0.62 | 0.00 | 0.05 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 101.22 | 1.6305 | 0.3558 | 0.6681 | 0.3147 | 0.0155 | 0.0098 | 0.0000 | 0.0026 | 0.0029 | 0.0000 | 0.0000 | 0.179 | 0.320 |
| Torsleach-3-5 | 59.39 | 21.48 | 13.34 | 5.98 | 0.33 | 0.50 | 0.00 | 0.06 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 101.18 | 1.6311 | 0.3549 | 0.6778 | 0.3077 | 0.0151 | 0.0079 | 0.0000 | 0.0032 | 0.0024 | 0.0000 | 0.0000 | 0.179 | 0.312 |
| Torsleach-3-6 | 59.80 | 21.48 | 13.30 | 6.05 | 0.33 | 0.57 | 0.01 | 0.06 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 101.72 | 1.6342 | 0.3531 | 0.6723 | 0.3098 | 0.0150 | 0.0089 | 0.0006 | 0.0032 | 0.0029 | 0.0000 | 0.0000 | 0.178 | 0.315 |
| Torsleach-3-7 | 59.10 | 21.72 | 13.42 | 6.00 | 0.32 | 0.49 | 0.01 | 0.04 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 101.25 | 1.6226 | 0.3587 | 0.6816 | 0.3086 | 0.0146 | 0.0077 | 0.0007 | 0.0021 | 0.0034 | 0.0000 | 0.0000 | 0.181 | 0.312 |
| Torsleach-3-8 | 59.68 | 21.49 | 13.37 | 6.01 | 0.33 | 0.59 | 0.00 | 0.03 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 101.61 | 1.6328 | 0.3537 | 0.6767 | 0.3081 | 0.0150 | 0.0093 | 0.0000 | 0.0016 | 0.0029 | 0.0000 | 0.0000 | 0.178 | 0.313 |
| Torsleach-4-1 | 59.23 | 21.65 | 13.26 | 6.03 | 0.30 | 0.58 | 0.00 | 0.04 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 101.22 | 1.6286 | 0.3581 | 0.6745 | 0.3106 | 0.0137 | 0.0091 | 0.0000 | 0.0021 | 0.0032 | 0.0000 | 0.0000 | 0.180 | 0.315 |
| Torsleach-4-2 | 59.35 | 21.65 | 13.17 | 5.99 | 0.36 | 0.63 | 0.00 | 0.06 | 0.12 | 0.00 | 0.00 | 0.10 | 0.00 | 101.42 | 1.6302 | 0.3577 | 0.6692 | 0.3083 | 0.0164 | 0.0099 | 0.0000 | 0.0032 | 0.0029 | 0.0000 | 0.0022 | 0.180 | 0.315 |
| Torsleach-4-3 | 59.42 | 21.72 | 13.29 | 6.05 | 0.32 | 0.55 | 0.01 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 101.52 | 1.6284 | 0.3581 | 0.6737 | 0.3106 | 0.0146 | 0.0086 | 0.0006 | 0.0026 | 0.0027 | 0.0000 | 0.0000 | 0.180 | 0.316 |
| Torsleach-4-4 | 59.83 | 21.76 | 13.26 | 6.02 | 0.34 | 0.46 | 0.01 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 101.81 | 1.6353 | 0.3578 | 0.6705 | 0.3083 | 0.0155 | 0.0072 | 0.0006 | 0.0026 | 0.0022 | 0.0000 | 0.0000 | 0.180 | 0.315 |
| Torsleach-4-5 | 59.99 | 21.64 | 13.14 | 6.08 | 0.33 | 0.45 | 0.00 | 0.02 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 101.75 | 1.6413 | 0.3562 | 0.6651 | 0.3117 | 0.0150 | 0.0071 | 0.0000 | 0.0011 | 0.0027 | 0.0000 | 0.0000 | 0.178 | 0.319 |
| Torsleach-4-6 | 60.11 | 21.77 | 13.31 | 6.13 | 0.33 | 0.56 | 0.00 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 102.35 | 1.6339 | 0.3560 | 0.6693 | 0.3122 | 0.0149 | 0.0087 | 0.0000 | 0.0026 | 0.0024 | 0.0000 | 0.0000 | 0.179 | 0.318 |
| Torsleach-4-7 | 59.24 | 21.62 | 13.34 | 6.01 | 0.30 | 0.62 | 0.02 | 0.05 | 0.11 | 0.00 | 0.00 | 0.11 | 0.00 | 101.42 | 1.6250 | 0.3567 | 0.6769 | 0.3089 | 0.0137 | 0.0097 | 0.0013 | 0.0026 | 0.0027 | 0.0000 | 0.0024 | 0.180 | 0.313 |
| Torsleach-4-8 | 59.78 | 21.61 | 13.30 | 6.14 | 0.32 | 0.60 | 0.00 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 101.90 | 1.6311 | 0.3547 | 0.6713 | 0.3139 | 0.0145 | 0.0094 | 0.0000 | 0.0026 | 0.0024 | 0.0000 | 0.0000 | 0.179 | 0.319 |
| Torsleach-5-1 | 59.58 | 22.32 | 13.22 | 6.10 | 0.31 | 0.58 | 0.00 | 0.05 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 102.29 | 1.6257 | 0.3663 | 0.6673 | 0.3118 | 0.0141 | 0.0091 | 0.0000 | 0.0026 | 0.0031 | 0.0000 | 0.0000 | 0.184 | 0.318 |
| Torsleach-5-2 | 59.10 | 22.09 | 13.18 | 6.12 | 0.32 | 0.53 | 0.00 | 0.06 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 101.53 | 1.6221 | 0.3647 | 0.6692 | 0.3147 | 0.0146 | 0.0083 | 0.0000 | 0.0032 | 0.0031 | 0.0000 | 0.0000 | 0.184 | 0.320 |
| Torsleach-5-3 | 59.79 | 21.90 | 13.32 | 6.02 | 0.33 | 0.55 | 0.00 | 0.04 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 102.05 | 1.6321 | 0.3596 | 0.6726 | 0.3079 | 0.0150 | 0.0086 | 0.0000 | 0.0021 | 0.0022 | 0.0000 | 0.0000 | 0.181 | 0.314 |
| Torsleach-5-4 | 59.43 | 21.99 | 13.28 | 6.13 | 0.31 | 0.65 | 0.01 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 101.95 | 1.6236 | 0.3614 | 0.6711 | 0.3138 | 0.0141 | 0.0102 | 0.0006 | 0.0026 | 0.0027 | 0.0000 | 0.0000 | 0.182 | 0.319 |
| Torsleach-5-5 | 59.47 | 21.83 | 13.39 | 6.13 | 0.34 | 0.62 | 0.00 | 0.06 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 101.96 | 1.6219 | 0.3581 | 0.6755 | 0.3132 | 0.0154 | 0.0097 | 0.0000 | 0.0032 | 0.0029 | 0.0000 | 0.0000 | 0.181 | 0.317 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hidra | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hidraleach-1-1 | 69.62 | 7.84 | 16.24 | 3.84 | 1.54 | 0.79 | 0.01 | 0.08 | 0.03 | 0.00 | 0.06 | 0.00 | 0.00 | 100.04 | 1.8184 | 0.1232 | 0.7846 | 0.1879 | 0.0669 | 0.0118 | 0.0006 | 0.0040 | 0.0007 | 0.0000 | 0.0018 | 0.063 | 0.193 |
| Hidraleach-1-2 | 68.99 | 7.83 | 16.19 | 3.70 | 1.58 | 0.75 | 0.00 | 0.08 | 0.03 | 0.00 | 0.07 | 0.00 | 0.00 | 99.20 | 1.8171 | 0.1241 | 0.7888 | 0.1826 | 0.0692 | 0.0113 | 0.0000 | 0.0041 | 0.0007 | 0.0000 | 0.0022 | 0.064 | 0.188 |
| Hidraleach-1-3 | 67.95 | 7.94 | 15.79 | 3.67 | 1.55 | 0.72 | 0.00 | 0.08 | 0.02 | 0.00 | 0.09 | 0.00 | 0.00 | 97.81 | 1.8188 | 0.1278 | 0.7818 | 0.1840 | 0.0690 | 0.0110 | 0.0000 | 0.0041 | 0.0005 | 0.0000 | 0.0028 | 0.066 | 0.191 |
| Hidraleach-2-1 | 68.16 | 8.33 | 16.37 | 3.73 | 1.92 | 0.87 | 0.00 | 0.07 | 0.04 | 0.00 | 0.08 | 0.00 | 0.00 | 99.56 | 1.7874 | 0.1314 | 0.7941 | 0.1833 | 0.0838 | 0.0131 | 0.0000 | 0.0035 | 0.0009 | 0.0000 | 0.0025 | 0.068 | 0.188 |
| Hidraleach-2-2 | 68.84 | 8.12 | 16.31 | 3.72 | 1.95 | 0.78 | 0.01 | 0.08 | 0.02 | 0.00 | 0.07 | 0.15 | 0.00 | 100.03 | 1.7965 | 0.1275 | 0.7874 | 0.1819 | 0.0847 | 0.0117 | 0.0006 | 0.0040 | 0.0005 | 0.0000 | 0.0053 | 0.066 | 0.188 |
| Hidraleach-2-3 | 68.62 | 8.22 | 16.23 | 3.70 | 1.92 | 0.80 | 0.00 | 0.09 | 0.01 | 0.00 | 0.09 | 0.15 | 0.00 | 99.82 | 1.7966 | 0.1295 | 0.7861 | 0.1815 | 0.0836 | 0.0120 | 0.0000 | 0.0045 | 0.0002 | 0.0000 | 0.0060 | 0.067 | 0.188 |
| Hidraleachalt-1-1 | 69.85 | 7.84 | 15.77 | 3.64 | 1.71 | 0.65 | 0.00 | 0.07 | 0.02 | 0.01 |  | 0.00 | 0.00 | 99.56 | 1.8391 | 0.1242 | 0.7681 | 0.1796 | 0.0749 | 0.0098 | 0.0000 | 0.0036 | 0.0005 | 0.0003 | 0.0000 | 0.063 | 0.189 |
| Hidraleachalt-1-2 | 69.75 | 7.79 | 15.97 | 3.66 | 1.68 | 0.61 | 0.01 | 0.06 | 0.02 | 0.00 |  | 0.00 | 0.00 | 99.55 | 1.8333 | 0.1232 | 0.7765 | 0.1802 | 0.0735 | 0.0092 | 0.0006 | 0.0030 | 0.0005 | 0.0000 | 0.0000 | 0.063 | 0.188 |
| Hidraleachalt-1-3 | 69.50 | 7.99 | 15.88 | 3.65 | 1.66 | 0.53 | 0.01 | 0.10 | 0.04 | 0.00 |  | 0.00 | 0.00 | 99.36 | 1.8316 | 0.1267 | 0.7742 | 0.1802 | 0.0728 | 0.0080 | 0.0006 | 0.0051 | 0.0009 | 0.0000 | 0.0000 | 0.065 | 0.189 |
| Hidraleachalt-2-1 | 69.77 | 7.95 | 15.61 | 3.74 | 1.75 | 0.67 | 0.01 | 0.05 | 0.03 | 0.00 |  | 0.00 | 0.00 | 99.59 | 1.8380 | 0.1260 | 0.7607 | 0.1846 | 0.0767 | 0.0101 | 0.0006 | 0.0025 | 0.0007 | 0.0000 | 0.0000 | 0.064 | 0.195 |
| Hidraleachalt-2-2 | 69.91 | 7.86 | 15.80 | 3.81 | 1.67 | 0.63 | 0.01 | 0.07 | 0.04 | 0.00 |  | 0.00 | 0.00 | 99.80 | 1.8343 | 0.1241 | 0.7669 | 0.1873 | 0.0729 | 0.0095 | 0.0006 | 0.0035 | 0.0009 | 0.0000 | 0.0000 | 0.063 | 0.196 |
| Hidraleachalt-2-3 | 69.86 | 7.86 | 15.80 | 3.78 | 1.66 | 0.59 | 0.02 | 0.08 | 0.03 | 0.03 |  | 0.00 | 0.00 | 99.69 | 1.8343 | 0.1241 | 0.7674 | 0.1860 | 0.0725 | 0.0089 | 0.0012 | 0.0040 | 0.0007 | 0.0008 | 0.0000 | 0.063 | 0.195 |
| Hidraleachalt-3-1 | 70.25 | 7.86 | 15.86 | 3.70 | 1.52 | 0.71 | 0.01 | 0.08 | 0.03 | 0.05 |  | 0.00 | 0.00 | 100.07 | 1.8415 | 0.1239 | 0.7691 | 0.1817 | 0.0663 | 0.0107 | 0.0006 | 0.0040 | 0.0007 | 0.0014 | 0.0000 | 0.063 | 0.191 |
| Hidraleachalt-3-2 | 70.41 | 7.84 | 15.90 | 3.72 | 1.54 | 0.79 | 0.01 | 0.09 | 0.02 | 0.06 |  | 0.00 | 0.00 | 100.38 | 1.8399 | 0.1232 | 0.7686 | 0.1821 | 0.0669 | 0.0118 | 0.0006 | 0.0045 | 0.0005 | 0.0017 | 0.0000 | 0.063 | 0.192 |
| Hidraleachalt-3-3 | 69.86 | 7.98 | 15.89 | 3.67 | 1.53 | 0.70 | 0.00 | 0.07 | 0.03 | 0.00 |  | 0.00 | 0.00 | 99.73 | 1.8378 | 0.1263 | 0.7733 | 0.1809 | 0.0670 | 0.0106 | 0.0000 | 0.0035 | 0.0007 | 0.0000 | 0.0000 | 0.064 | 0.190 |
| Hidraleachalt-4-1 | 69.45 | 8.18 | 15.79 | 3.76 | 1.39 | 0.86 | 0.01 | 0.09 | 0.02 | 0.00 |  | 0.00 | 0.00 | 99.55 | 1.8333 | 0.1299 | 0.7711 | 0.1860 | 0.0610 | 0.0130 | 0.0006 | 0.0046 | 0.0005 | 0.0000 | 0.0000 | 0.066 | 0.194 |
| Hidraleachalt-4-2 | 69.86 | 7.90 | 15.58 | 3.76 | 1.02 | 0.67 | 0.00 | 0.07 | 0.02 | 0.00 |  | 0.00 | 0.00 | 98.86 | 1.8594 | 0.1265 | 0.7671 | 0.1875 | 0.0452 | 0.0102 | 0.0000 | 0.0036 | 0.0005 | 0.0000 | 0.0000 | 0.064 | 0.196 |
| Hidraleachalt-4-3 | 70.27 | 7.96 | 16.04 | 3.85 | 1.06 | 0.68 | 0.01 | 0.06 | 0.01 | 0.00 |  | 0.00 | 0.00 | 99.92 | 1.8452 | 0.1257 | 0.7792 | 0.1894 | 0.0463 | 0.0102 | 0.0006 | 0.0030 | 0.0002 | 0.0000 | 0.0000 | 0.064 | 0.196 |
| Hidraleachalt-5-1 | 69.03 | 8.29 | 15.82 | 3.70 | 1.91 | 0.78 | 0.00 | 0.10 | 0.05 | 0.17 |  | 0.13 | 0.00 | 99.97 | 1.8108 | 0.1308 | 0.7677 | 0.1818 | 0.0833 | 0.0117 | 0.0000 | 0.0051 | 0.0012 | 0.0048 | 0.0028 | 0.067 | 0.192 |
| Hidraleachalt-5-2 | 69.22 | 8.40 | 15.94 | 3.66 | 1.91 | 0.79 | 0.02 | 0.07 | 0.02 | 0.12 |  | 0.00 | 0.00 | 100.15 | 1.8124 | 0.1323 | 0.7721 | 0.1795 | 0.0832 | 0.0119 | 0.0012 | 0.0035 | 0.0005 | 0.0034 | 0.0000 | 0.068 | 0.189 |
| Hidraleachalt-6-1 | 69.58 | 8.05 | 15.77 | 3.76 | 1.46 | 0.58 | 0.00 | 0.08 | 0.03 | 0.00 |  | 0.00 | 0.00 | 99.30 | 1.8378 | 0.1279 | 0.7705 | 0.1861 | 0.0641 | 0.0088 | 0.0000 | 0.0041 | 0.0007 | 0.0000 | 0.0000 | 0.065 | 0.195 |
| Hidraleachalt-6-2 | 69.54 | 8.10 | 15.78 | 3.75 | 1.52 | 0.63 | 0.00 | 0.08 | 0.03 | 0.00 |  | 0.00 | 0.00 | 99.43 | 1.8348 | 0.1286 | 0.7702 | 0.1854 | 0.0667 | 0.0095 | 0.0000 | 0.0041 | 0.0007 | 0.0000 | 0.0000 | 0.065 | 0.194 |
| Hidraleachalt-6-3 | 69.62 | 7.94 | 15.79 | 3.75 | 1.54 | 0.49 | 0.02 | 0.08 | 0.08 | 0.00 |  | 0.00 | 0.00 | 99.30 | 1.8362 | 0.1260 | 0.7704 | 0.1853 | 0.0676 | 0.0074 | 0.0013 | 0.0041 | 0.0019 | 0.0000 | 0.0000 | 0.064 | 0.194 |
| Hidraleachalt-7-1 | 69.94 | 7.78 | 15.64 | 3.73 | 1.53 | 0.56 | 0.02 | 0.08 | 0.01 | 0.03 |  | 0.00 | 0.00 | 99.32 | 1.8462 | 0.1235 | 0.7637 | 0.1845 | 0.0672 | 0.0085 | 0.0013 | 0.0041 | 0.0002 | 0.0009 | 0.0000 | 0.063 | 0.195 |
| Hidraleachalt-7-2 | 69.54 | 7.84 | 15.99 | 3.78 | 1.55 | 0.54 | 0.00 | 0.09 | 0.03 | 0.00 |  | 0.00 | 0.00 | 99.36 | 1.8299 | 0.1241 | 0.7784 | 0.1864 | 0.0678 | 0.0081 | 0.0000 | 0.0046 | 0.0007 | 0.0000 | 0.0000 | 0.064 | 0.193 |
| Hidraleachalt-7-3 | 69.82 | 7.87 | 15.78 | 3.73 | 1.58 | 0.47 | 0.01 | 0.09 | 0.02 | 0.03 |  | 0.00 | 0.00 | 99.39 | 1.8393 | 0.1247 | 0.7690 | 0.1841 | 0.0692 | 0.0071 | 0.0006 | 0.0046 | 0.0005 | 0.0009 | 0.0000 | 0.063 | 0.193 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flekkerøy | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flekleach-1-2 | 55.23 | 22.61 | 14.13 | 4.47 | 1.59 | 0.67 | 0.00 | 0.09 | 0.06 | 0.00 | 0.18 | 0.00 | 0.00 | 99.02 | 1.5512 | 0.3820 | 0.7342 | 0.2352 | 0.0743 | 0.0108 | 0.0000 | 0.0049 | 0.0015 | 0.0000 | 0.0060 | 0.198 | 0.243 |
| Flekleach-1-3 | 55.06 | 22.79 | 14.12 | 4.46 | 1.66 | 0.69 | 0.00 | 0.08 | 0.06 | 0.00 | 0.19 | 0.00 | 0.00 | 99.11 | 1.5462 | 0.3850 | 0.7335 | 0.2347 | 0.0775 | 0.0111 | 0.0000 | 0.0043 | 0.0015 | 0.0000 | 0.0063 | 0.199 | 0.242 |
| Flekleach-1-4 | 54.30 | 22.62 | 13.85 | 4.23 | 1.62 | 0.70 | 0.00 | 0.10 | 0.07 | 0.00 | 0.19 | 0.00 | 0.00 | 97.67 | 1.5510 | 0.3887 | 0.7318 | 0.2264 | 0.0770 | 0.0115 | 0.0000 | 0.0055 | 0.0018 | 0.0000 | 0.0064 | 0.200 | 0.236 |
| Flekleach-1-5 | 55.57 | 22.30 | 13.80 | 4.36 | 1.65 | 0.74 | 0.02 | 0.09 | 0.09 | 0.00 | 0.19 | 0.00 | 0.00 | 98.82 | 1.5672 | 0.3783 | 0.7200 | 0.2304 | 0.0774 | 0.0120 | 0.0013 | 0.0049 | 0.0022 | 0.0000 | 0.0063 | 0.194 | 0.242 |
| Flekleach-2-2 | 55.20 | 22.08 | 14.11 | 4.37 | 1.75 | 0.80 | 0.00 | 0.09 | 0.05 | 0.00 | 0.15 | 0.10 | 0.00 | 98.70 | 1.5532 | 0.3737 | 0.7345 | 0.2304 | 0.0819 | 0.0129 | 0.0000 | 0.0049 | 0.0012 | 0.0000 | 0.0072 | 0.194 | 0.239 |
| Flekleach-2-3 | 55.83 | 22.38 | 14.19 | 4.40 | 1.71 | 0.80 | 0.01 | 0.10 | 0.10 | 0.00 | 0.16 | 0.00 | 0.00 | 99.68 | 1.5569 | 0.3754 | 0.7320 | 0.2299 | 0.0793 | 0.0128 | 0.0007 | 0.0054 | 0.0025 | 0.0000 | 0.0053 | 0.194 | 0.239 |
| Flekleach-2-4 | 55.25 | 22.58 | 14.02 | 4.41 | 1.77 | 0.81 | 0.00 | 0.10 | 0.08 | 0.00 | 0.20 | 0.00 | 0.00 | 99.23 | 1.5500 | 0.3810 | 0.7276 | 0.2318 | 0.0826 | 0.0130 | 0.0000 | 0.0054 | 0.0020 | 0.0000 | 0.0066 | 0.197 | 0.242 |
| Flekleach-2-5 | 55.20 | 22.24 | 14.12 | 4.46 | 1.81 | 0.80 | 0.00 | 0.11 | 0.06 | 0.00 | 0.16 | 0.00 | 0.00 | 98.95 | 1.5480 | 0.3752 | 0.7325 | 0.2343 | 0.0844 | 0.0129 | 0.0000 | 0.0059 | 0.0015 | 0.0000 | 0.0053 | 0.195 | 0.242 |
| Flekleach-3-1 | 55.24 | 22.96 | 13.59 | 4.50 | 1.64 | 0.78 | 0.01 | 0.09 | 0.06 | 0.00 | 0.30 | 0.00 | 0.00 | 99.19 | 1.5575 | 0.3894 | 0.7088 | 0.2377 | 0.0769 | 0.0126 | 0.0007 | 0.0049 | 0.0015 | 0.0000 | 0.0100 | 0.200 | 0.251 |
| Flekleach-3-2 | 54.65 | 23.17 | 13.70 | 4.48 | 1.67 | 0.72 | 0.01 | 0.09 | 0.06 | 0.00 | 0.32 | 0.11 | 0.00 | 98.99 | 1.5433 | 0.3936 | 0.7157 | 0.2370 | 0.0784 | 0.0117 | 0.0007 | 0.0049 | 0.0015 | 0.0000 | 0.0132 | 0.203 | 0.249 |
| Flekleach-3-3 | 54.71 | 23.09 | 14.01 | 4.22 | 1.62 | 0.78 | 0.01 | 0.11 | 0.05 | 0.00 | 0.23 | 0.00 | 0.00 | 98.83 | 1.5467 | 0.3927 | 0.7327 | 0.2235 | 0.0762 | 0.0126 | 0.0007 | 0.0060 | 0.0012 | 0.0000 | 0.0077 | 0.202 | 0.234 |
| Flekleach-3-4 | 54.20 | 23.03 | 14.04 | 4.56 | 1.67 | 0.75 | 0.02 | 0.10 | 0.05 | 0.00 | 0.31 | 0.00 | 0.10 | 98.81 | 1.5271 | 0.3903 | 0.7318 | 0.2407 | 0.0783 | 0.0121 | 0.0013 | 0.0054 | 0.0012 | 0.0000 | 0.0103 | 0.204 | 0.248 |
| Flekleach-4-2 | 53.69 | 24.70 | 14.44 | 4.21 | 1.26 | 0.81 | 0.01 | 0.08 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 99.37 | 1.5191 | 0.4204 | 0.7558 | 0.2232 | 0.0593 | 0.0131 | 0.0007 | 0.0044 | 0.0040 | 0.0000 | 0.0000 | 0.217 | 0.228 |
| Flekleach-4-3 | 51.46 | 26.57 | 14.27 | 4.10 | 1.53 | 0.93 | 0.01 | 0.13 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 99.16 | 1.4701 | 0.4566 | 0.7541 | 0.2194 | 0.0727 | 0.0152 | 0.0007 | 0.0072 | 0.0040 | 0.0000 | 0.0000 | 0.237 | 0.225 |
| Flekleach-4-4 | 52.87 | 25.14 | 14.44 | 4.00 | 1.65 | 1.32 | 0.00 | 0.13 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 99.66 | 1.4956 | 0.4278 | 0.7557 | 0.2120 | 0.0776 | 0.0214 | 0.0000 | 0.0071 | 0.0027 | 0.0000 | 0.0000 | 0.222 | 0.219 |
| Flekleach-4-5 | 53.81 | 24.09 | 14.40 | 4.07 | 1.44 | 0.98 | 0.01 | 0.12 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 99.02 | 1.5247 | 0.4106 | 0.7548 | 0.2161 | 0.0679 | 0.0159 | 0.0007 | 0.0066 | 0.0027 | 0.0000 | 0.0000 | 0.212 | 0.223 |
| Flekleach-5-2 | 55.17 | 22.32 | 14.21 | 4.39 | 1.64 | 0.88 | 0.02 | 0.10 | 0.08 | 0.00 | 0.11 | 0.00 | 0.00 | 98.92 | 1.5500 | 0.3772 | 0.7385 | 0.2311 | 0.0766 | 0.0142 | 0.0013 | 0.0054 | 0.0020 | 0.0000 | 0.0036 | 0.196 | 0.238 |
| Flekleach-5-3 | 55.16 | 22.27 | 14.28 | 4.36 | 1.89 | 0.95 | 0.01 | 0.10 | 0.10 | 0.00 | 0.17 | 0.10 | 0.11 | 99.48 | 1.5398 | 0.3740 | 0.7374 | 0.2280 | 0.0878 | 0.0152 | 0.0007 | 0.0054 | 0.0025 | 0.0000 | 0.0078 | 0.195 | 0.236 |
| Flekleach-5-4 | 55.16 | 22.37 | 14.16 | 4.38 | 1.84 | 0.93 | 0.00 | 0.11 | 0.11 | 0.00 | 0.17 | 0.00 | 0.00 | 99.23 | 1.5448 | 0.3769 | 0.7336 | 0.2298 | 0.0857 | 0.0149 | 0.0000 | 0.0059 | 0.0027 | 0.0000 | 0.0056 | 0.196 | 0.239 |
| Flekleach-5-5 | 55.19 | 22.15 | 14.07 | 4.38 | 1.84 | 0.97 | 0.01 | 0.10 | 0.09 | 0.00 | 0.13 | 0.00 | 0.00 | 98.93 | 1.5501 | 0.3742 | 0.7310 | 0.2305 | 0.0860 | 0.0156 | 0.0007 | 0.0054 | 0.0022 | 0.0000 | 0.0043 | 0.194 | 0.240 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mølland | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Molland-1-1 | 38.69 | 41.83 | 3.00 | 13.91 | 1.54 | 0.32 | 0.02 | 0.10 | 0.02 | 0.06 | 0.00 | 0.10 | 0.20 | 99.76 | 1.1759 | 0.7647 | 0.1687 | 0.7921 | 0.0779 | 0.0056 | 0.0014 | 0.0059 | 0.0005 | 0.0020 | 0.0025 | 0.394 | 0.824 |
| Molland-1-2 | 38.76 | 42.08 | 3.02 | 13.92 | 1.47 | 0.32 | 0.01 | 0.10 | 0.01 | 0.04 | 0.00 | 0.00 | 0.18 | 99.91 | 1.1778 | 0.7692 | 0.1698 | 0.7925 | 0.0743 | 0.0056 | 0.0007 | 0.0059 | 0.0003 | 0.0013 | 0.0000 | 0.395 | 0.824 |
| Molland-1-3 | 38.73 | 42.64 | 2.98 | 13.86 | 1.38 | 0.36 | 0.02 | 0.09 | 0.00 | 0.03 | 0.00 | 0.12 | 0.11 | 100.33 | 1.1764 | 0.7791 | 0.1674 | 0.7888 | 0.0697 | 0.0063 | 0.0014 | 0.0053 | 0.0000 | 0.0010 | 0.0030 | 0.398 | 0.825 |
| Molland-1-4 | 38.68 | 42.21 | 2.90 | 13.93 | 1.43 | 0.25 | 0.01 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.15 | 99.71 | 1.1793 | 0.7741 | 0.1636 | 0.7957 | 0.0725 | 0.0044 | 0.0007 | 0.0053 | 0.0005 | 0.0016 | 0.0000 | 0.396 | 0.829 |
| Molland-1-5 | 38.52 | 42.34 | 2.90 | 13.74 | 1.45 | 0.34 | 0.02 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.16 | 99.63 | 1.1781 | 0.7789 | 0.1641 | 0.7873 | 0.0738 | 0.0060 | 0.0014 | 0.0059 | 0.0005 | 0.0016 | 0.0000 | 0.398 | 0.828 |
| Molland-1-6 | 38.90 | 42.34 | 2.86 | 13.93 | 1.39 | 0.30 | 0.03 | 0.11 | 0.02 | 0.08 | 0.00 | 0.00 | 0.20 | 100.16 | 1.1820 | 0.7739 | 0.1608 | 0.7931 | 0.0703 | 0.0052 | 0.0022 | 0.0064 | 0.0005 | 0.0026 | 0.0000 | 0.396 | 0.831 |
| Molland-1-7 | 37.95 | 42.72 | 2.92 | 13.84 | 1.44 | 0.27 | 0.05 | 0.11 | 0.01 | 0.04 | 0.00 | 0.10 | 0.19 | 99.62 | 1.1607 | 0.7860 | 0.1652 | 0.7931 | 0.0733 | 0.0047 | 0.0036 | 0.0065 | 0.0003 | 0.0013 | 0.0025 | 0.404 | 0.828 |
| Molland-1-8 | 38.40 | 42.85 | 2.89 | 13.97 | 1.48 | 0.30 | 0.02 | 0.10 | 0.00 | 0.05 | 0.00 | 0.00 | 0.20 | 100.25 | 1.1669 | 0.7833 | 0.1625 | 0.7954 | 0.0748 | 0.0052 | 0.0014 | 0.0059 | 0.0000 | 0.0016 | 0.0000 | 0.402 | 0.830 |
| Molland-1-9 | 38.38 | 43.05 | 2.87 | 13.96 | 1.41 | 0.25 | 0.02 | 0.10 | 0.02 | 0.03 | 0.00 | 0.00 | 0.15 | 100.24 | 1.1678 | 0.7880 | 0.1615 | 0.7959 | 0.0714 | 0.0044 | 0.0014 | 0.0059 | 0.0005 | 0.0010 | 0.0000 | 0.403 | 0.831 |
| Molland-1-10 | 37.98 | 42.92 | 2.94 | 13.95 | 1.43 | 0.26 | 0.02 | 0.10 | 0.03 | 0.05 | 0.00 | 0.00 | 0.17 | 99.84 | 1.1590 | 0.7879 | 0.1660 | 0.7976 | 0.0726 | 0.0045 | 0.0014 | 0.0059 | 0.0008 | 0.0016 | 0.0000 | 0.405 | 0.828 |
| Molland-1-11 | 37.90 | 42.88 | 2.85 | 13.94 | 1.43 | 0.29 | 0.02 | 0.11 | 0.04 | 0.09 | 0.00 | 0.11 | 0.15 | 99.82 | 1.1580 | 0.7881 | 0.1611 | 0.7980 | 0.0727 | 0.0051 | 0.0014 | 0.0065 | 0.0011 | 0.0030 | 0.0027 | 0.405 | 0.832 |
| Molland-1-12 | 37.66 | 43.19 | 2.85 | 13.71 | 1.51 | 0.10 | 0.01 | 0.10 | 0.05 | 0.06 | 0.00 | 0.00 | 0.18 | 99.42 | 1.1578 | 0.7987 | 0.1621 | 0.7897 | 0.0772 | 0.0018 | 0.0007 | 0.0059 | 0.0014 | 0.0020 | 0.0000 | 0.408 | 0.830 |
| Molland-1-13 | 37.96 | 42.78 | 2.89 | 13.98 | 1.49 | 0.23 | 0.04 | 0.10 | 0.01 | 0.03 | 0.00 | 0.00 | 0.14 | 99.67 | 1.1592 | 0.7858 | 0.1633 | 0.7999 | 0.0757 | 0.0040 | 0.0029 | 0.0059 | 0.0003 | 0.0010 | 0.0000 | 0.404 | 0.830 |
| Molland-1-14 | 37.82 | 43.10 | 2.90 | 13.78 | 1.47 | 0.22 | 0.02 | 0.12 | 0.03 | 0.03 | 0.00 | 0.00 | 0.21 | 99.68 | 1.1585 | 0.7941 | 0.1643 | 0.7908 | 0.0749 | 0.0039 | 0.0015 | 0.0071 | 0.0008 | 0.0010 | 0.0000 | 0.407 | 0.828 |
| Molland-1-15 | 37.84 | 43.67 | 2.85 | 14.16 | 1.39 | 0.28 | 0.02 | 0.12 | 0.01 | 0.07 | 0.00 | 0.00 | 0.10 | 100.51 | 1.1490 | 0.7977 | 0.1601 | 0.8056 | 0.0702 | 0.0049 | 0.0014 | 0.0070 | 0.0003 | 0.0023 | 0.0000 | 0.410 | 0.834 |
| Molland-2-1 | 37.73 | 43.10 | 2.79 | 13.81 | 1.49 | 0.30 | 0.04 | 0.10 | 0.00 | 0.01 | 0.00 | 0.00 | 0.17 | 99.54 | 1.1583 | 0.7959 | 0.1584 | 0.7943 | 0.0761 | 0.0053 | 0.0029 | 0.0059 | 0.0000 | 0.0003 | 0.0000 | 0.407 | 0.834 |
| Molland-2-2 | 38.06 | 42.90 | 2.80 | 13.86 | 1.40 | 0.30 | 0.01 | 0.09 | 0.00 | 0.04 | 0.00 | 0.00 | 0.14 | 99.60 | 1.1672 | 0.7914 | 0.1588 | 0.7964 | 0.0714 | 0.0053 | 0.0007 | 0.0053 | 0.0000 | 0.0013 | 0.0000 | 0.404 | 0.834 |
| Molland-2-3 | 38.04 | 42.77 | 2.92 | 13.70 | 1.44 | 0.33 | 0.02 | 0.09 | 0.01 | 0.00 | 0.00 | 0.00 | 0.18 | 99.50 | 1.1676 | 0.7897 | 0.1658 | 0.7878 | 0.0735 | 0.0058 | 0.0015 | 0.0053 | 0.0003 | 0.0000 | 0.0000 | 0.403 | 0.826 |
| Molland-2-4 | 37.86 | 42.78 | 2.88 | 13.83 | 1.40 | 0.21 | 0.01 | 0.10 | 0.01 | 0.00 | 0.00 | 0.00 | 0.13 | 99.20 | 1.1641 | 0.7912 | 0.1638 | 0.7967 | 0.0716 | 0.0037 | 0.0007 | 0.0059 | 0.0003 | 0.0000 | 0.0000 | 0.405 | 0.829 |
| Molland-2-5 | 37.87 | 42.66 | 2.87 | 13.96 | 1.45 | 0.17 | 0.06 | 0.10 | 0.01 | 0.06 | 0.00 | 0.00 | 0.17 | 99.38 | 1.1593 | 0.7856 | 0.1625 | 0.8007 | 0.0738 | 0.0030 | 0.0044 | 0.0059 | 0.0003 | 0.0020 | 0.0000 | 0.404 | 0.831 |
| Molland-2-6 | 38.12 | 43.04 | 2.88 | 14.04 | 1.37 | 0.23 | 0.02 | 0.11 | 0.02 | 0.04 | 0.00 | 0.00 | 0.20 | 100.08 | 1.1613 | 0.7888 | 0.1623 | 0.8014 | 0.0694 | 0.0040 | 0.0014 | 0.0065 | 0.0005 | 0.0013 | 0.0000 | 0.404 | 0.832 |
| Molland-2-7 | 38.37 | 42.46 | 2.95 | 13.86 | 1.36 | 0.29 | 0.03 | 0.10 | 0.02 | 0.07 | 0.00 | 0.00 | 0.13 | 99.63 | 1.1724 | 0.7804 | 0.1667 | 0.7934 | 0.0691 | 0.0051 | 0.0022 | 0.0059 | 0.0005 | 0.0023 | 0.0000 | 0.400 | 0.826 |
| Molland-2-8 | 38.34 | 42.21 | 2.92 | 13.80 | 1.36 | 0.23 | 0.02 | 0.09 | 0.05 | 0.03 | 0.00 | 0.00 | 0.17 | 99.22 | 1.1765 | 0.7792 | 0.1658 | 0.7934 | 0.0694 | 0.0040 | 0.0015 | 0.0053 | 0.0014 | 0.0010 | 0.0000 | 0.398 | 0.827 |
| Molland-2-9 | 38.77 | 41.39 | 2.39 | 12.11 | 1.33 | 0.37 | 1.88 | 0.06 | 0.02 | 0.04 | 0.00 | 0.16 | 0.14 | 98.66 | 1.1864 | 0.7619 | 0.1353 | 0.6943 | 0.0677 | 0.0065 | 0.1363 | 0.0035 | 0.0005 | 0.0013 | 0.0040 | 0.391 | 0.837 |
| Molland-2-10 | 38.60 | 41.97 | 2.49 | 13.98 | 1.78 | 0.30 | 0.00 | 0.55 | 0.16 | 0.07 | 0.00 | 0.14 | 0.00 | 100.04 | 1.1677 | 0.7637 | 0.1393 | 0.7924 | 0.0896 | 0.0052 | 0.0000 | 0.0321 | 0.0043 | 0.0023 | 0.0034 | 0.395 | 0.850 |
| Molland-2-11 | 38.55 | 42.27 | 2.84 | 13.80 | 1.41 | 0.33 | 0.03 | 0.09 | 0.00 | 0.07 | 0.00 | 0.00 | 0.18 | 99.56 | 1.1798 | 0.7781 | 0.1608 | 0.7913 | 0.0718 | 0.0058 | 0.0022 | 0.0053 | 0.0000 | 0.0023 | 0.0000 | 0.397 | 0.831 |
| Molland-2-12 | 38.76 | 42.00 | 2.89 | 13.90 | 1.38 | 0.40 | 0.01 | 0.11 | 0.03 | 0.09 | 0.00 | 0.00 | 0.24 | 99.81 | 1.1815 | 0.7701 | 0.1630 | 0.7939 | 0.0700 | 0.0070 | 0.0007 | 0.0065 | 0.0008 | 0.0030 | 0.0000 | 0.395 | 0.830 |
| Molland-2-13 | 38.97 | 41.92 | 2.93 | 13.90 | 1.34 | 0.27 | 0.03 | 0.11 | 0.02 | 0.03 | 0.00 | 0.13 | 0.00 | 99.65 | 1.1872 | 0.7682 | 0.1651 | 0.7934 | 0.0679 | 0.0047 | 0.0022 | 0.0065 | 0.0005 | 0.0010 | 0.0032 | 0.393 | 0.828 |
| Molland-2-14 | 38.66 | 42.06 | 2.89 | 13.83 | 1.45 | 0.26 | 0.01 | 0.10 | 0.05 | 0.02 | 0.00 | 0.00 | 0.12 | 99.45 | 1.1820 | 0.7736 | 0.1635 | 0.7922 | 0.0737 | 0.0046 | 0.0007 | 0.0059 | 0.0013 | 0.0007 | 0.0000 | 0.396 | 0.829 |
| Molland-2-15 | 38.65 | 42.17 | 2.91 | 13.83 | 1.44 | 0.34 | 0.03 | 0.11 | 0.06 | 0.01 | 0.00 | 0.14 | 0.20 | 99.88 | 1.1776 | 0.7729 | 0.1640 | 0.7895 | 0.0730 | 0.0059 | 0.0022 | 0.0065 | 0.0016 | 0.0003 | 0.0035 | 0.396 | 0.828 |
| Mollleach-1-1 | 36.29 | 44.58 | 2.48 | 14.21 | 1.43 | 0.34 | 0.02 | 0.11 | 0.06 | 0.05 | 0.00 | 0.00 | 0.17 | 99.74 | 1.1184 | 0.8265 | 0.1414 | 0.8205 | 0.0733 | 0.0060 | 0.0015 | 0.0065 | 0.0016 | 0.0017 | 0.0000 | 0.425 | 0.853 |
| Mollleach-1-2 | 36.63 | 44.88 | 2.56 | 14.20 | 1.33 | 0.22 | 0.01 | 0.13 | 0.00 | 0.03 | 0.00 | 0.11 | 0.19 | 100.28 | 1.1237 | 0.8282 | 0.1453 | 0.8161 | 0.0679 | 0.0039 | 0.0007 | 0.0077 | 0.0000 | 0.0010 | 0.0027 | 0.424 | 0.849 |
| Mollleach-1-3 | 36.98 | 44.78 | 2.53 | 14.50 | 1.23 | 0.21 | 0.02 | 0.12 | 0.05 | 0.07 | 0.00 | 0.11 | 0.00 | 100.59 | 1.1272 | 0.8211 | 0.1427 | 0.8281 | 0.0624 | 0.0037 | 0.0014 | 0.0071 | 0.0013 | 0.0023 | 0.0027 | 0.421 | 0.853 |
| Mollleach-1-4 | 37.03 | 44.71 | 2.55 | 14.23 | 1.36 | 0.33 | 0.02 | 0.09 | 0.03 | 0.06 | 0.00 | 0.00 | 0.10 | 100.50 | 1.1322 | 0.8223 | 0.1442 | 0.8152 | 0.0692 | 0.0058 | 0.0014 | 0.0053 | 0.0008 | 0.0020 | 0.0000 | 0.421 | 0.850 |
| Mollleach-1-5 | 36.45 | 44.91 | 2.57 | 14.30 | 1.41 | 0.31 | 0.02 | 0.12 | 0.03 | 0.06 | 0.00 | 0.00 | 0.12 | 100.29 | 1.1162 | 0.8273 | 0.1456 | 0.8205 | 0.0718 | 0.0054 | 0.0015 | 0.0071 | 0.0008 | 0.0020 | 0.0000 | 0.426 | 0.849 |
| Mollleach-1-7 | 37.01 | 44.28 | 2.57 | 14.27 | 1.41 | 0.22 | 0.01 | 0.09 | 0.03 | 0.05 | 0.00 | 0.00 | 0.14 | 100.07 | 1.1335 | 0.8158 | 0.1456 | 0.8188 | 0.0718 | 0.0039 | 0.0007 | 0.0053 | 0.0008 | 0.0017 | 0.0000 | 0.419 | 0.849 |
| Mollleach-1-8 | 37.27 | 44.24 | 2.64 | 14.26 | 1.22 | 0.13 | 0.02 | 0.11 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 99.96 | 1.1417 | 0.8152 | 0.1496 | 0.8184 | 0.0622 | 0.0023 | 0.0015 | 0.0065 | 0.0000 | 0.0026 | 0.0000 | 0.417 | 0.845 |
| Mollleach-2-1 | 38.20 | 42.33 | 3.00 | 13.88 | 1.46 | 0.24 | 0.02 | 0.09 | 0.01 | 0.04 | 0.00 | 0.00 | 0.17 | 99.44 | 1.1677 | 0.7784 | 0.1696 | 0.7949 | 0.0742 | 0.0042 | 0.0014 | 0.0053 | 0.0003 | 0.0013 | 0.0000 | 0.400 | 0.824 |
| Mollleach-2-2 | 38.67 | 42.79 | 3.06 | 13.72 | 1.46 | 0.30 | 0.01 | 0.12 | 0.00 | 0.04 | 0.00 | 0.00 | 0.14 | 100.32 | 1.1749 | 0.7820 | 0.1720 | 0.7810 | 0.0738 | 0.0052 | 0.0007 | 0.0070 | 0.0000 | 0.0013 | 0.0000 | 0.400 | 0.820 |
| Mollleach-2-3 | 38.22 | 42.20 | 3.01 | 13.75 | 1.49 | 0.33 | 0.02 | 0.09 | 0.03 | 0.01 | 0.00 | 0.00 | 0.15 | 99.30 | 1.1708 | 0.7776 | 0.1706 | 0.7892 | 0.0759 | 0.0058 | 0.0015 | 0.0053 | 0.0008 | 0.0003 | 0.0000 | 0.399 | 0.822 |
| Mollleach-3-1 | 38.64 | 41.92 | 2.91 | 13.96 | 1.53 | 0.33 | 0.02 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 99.57 | 1.1779 | 0.7687 | 0.1641 | 0.7973 | 0.0776 | 0.0058 | 0.0014 | 0.0047 | 0.0000 | 0.0000 | 0.0000 | 0.395 | 0.829 |
| Mollleach-3-2 | 38.58 | 42.07 | 2.86 | 14.00 | 1.52 | 0.30 | 0.02 | 0.08 | 0.00 | 0.04 | 0.00 | 0.12 | 0.20 | 99.78 | 1.1745 | 0.7704 | 0.1611 | 0.7985 | 0.0770 | 0.0052 | 0.0014 | 0.0047 | 0.0000 | 0.0013 | 0.0030 | 0.396 | 0.832 |
| Mollleach-3-3 | 38.79 | 42.54 | 2.89 | 14.00 | 1.51 | 0.30 | 0.02 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.16 | 100.40 | 1.1747 | 0.7750 | 0.1619 | 0.7944 | 0.0761 | 0.0052 | 0.0014 | 0.0064 | 0.0005 | 0.0020 | 0.0000 | 0.397 | 0.831 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Steli | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Steli-1 | 72.43 | 4.81 | 15.51 | 4.22 | 2.03 | 0.58 | 0.01 | 0.84 | 0.03 | 0.00 | 0.15 | 0.00 | 0.00 | 100.61 | 1.8496 | 0.0739 | 0.7327 | 0.2019 | 0.0862 | 0.0085 | 0.0006 | 0.0413 | 0.0007 | 0.0000 | 0.0045 | 0.038 | 0.216 |
| Steli-2 | 72.01 | 4.80 | 15.49 | 4.27 | 2.09 | 0.65 | 0.01 | 0.86 | 0.07 | 0.00 | 0.22 | 0.00 | 0.00 | 100.44 | 1.8401 | 0.0738 | 0.7322 | 0.2044 | 0.0888 | 0.0095 | 0.0006 | 0.0424 | 0.0016 | 0.0000 | 0.0066 | 0.039 | 0.218 |
| Steli-3 | 72.48 | 4.79 | 15.30 | 4.40 | 2.09 | 0.70 | 0.01 | 0.87 | 0.06 | 0.00 | 0.16 | 0.00 | 0.00 | 100.85 | 1.8470 | 0.0734 | 0.7212 | 0.2101 | 0.0886 | 0.0102 | 0.0006 | 0.0427 | 0.0013 | 0.0000 | 0.0048 | 0.038 | 0.226 |
| Steli-4 | 72.85 | 4.68 | 15.39 | 4.38 | 2.05 | 0.60 | 0.03 | 0.84 | 0.02 | 0.00 | 0.21 | 0.00 | 0.00 | 101.04 | 1.8513 | 0.0715 | 0.7235 | 0.2085 | 0.0867 | 0.0087 | 0.0018 | 0.0411 | 0.0004 | 0.0000 | 0.0063 | 0.037 | 0.224 |
| Steli-5 | 72.66 | 4.46 | 14.82 | 4.82 | 2.06 | 0.82 | 0.03 | 0.89 | 0.02 | 0.00 | 0.35 | 0.00 | 0.00 | 100.94 | 1.8488 | 0.0683 | 0.6976 | 0.2298 | 0.0872 | 0.0120 | 0.0018 | 0.0436 | 0.0004 | 0.0000 | 0.0105 | 0.036 | 0.248 |
| Steli-6 | 72.15 | 4.70 | 14.65 | 4.97 | 2.00 | 0.72 | 0.01 | 0.88 | 0.05 | 0.00 | 0.35 | 0.00 | 0.00 | 100.48 | 1.8452 | 0.0723 | 0.6931 | 0.2381 | 0.0851 | 0.0106 | 0.0006 | 0.0434 | 0.0011 | 0.0000 | 0.0105 | 0.038 | 0.256 |
| Steli-7 | 72.33 | 4.83 | 15.80 | 4.27 | 2.21 | 0.66 | 0.03 | 0.83 | 0.06 | 0.00 | 0.15 | 0.00 | 0.00 | 101.15 | 1.8324 | 0.0736 | 0.7405 | 0.2027 | 0.0931 | 0.0096 | 0.0018 | 0.0405 | 0.0013 | 0.0000 | 0.0045 | 0.039 | 0.215 |
| Steli-8 | 72.45 | 5.00 | 15.66 | 4.23 | 2.16 | 0.74 | 0.00 | 0.86 | 0.06 | 0.00 | 0.11 | 0.00 | 0.00 | 101.27 | 1.8387 | 0.0763 | 0.7352 | 0.2011 | 0.0912 | 0.0108 | 0.0000 | 0.0421 | 0.0013 | 0.0000 | 0.0033 | 0.040 | 0.215 |
| Steli-9 | 72.89 | 4.88 | 15.66 | 4.41 | 2.04 | 0.74 | 0.01 | 0.84 | 0.06 | 0.00 | 0.15 | 0.00 | 0.00 | 101.68 | 1.8415 | 0.0742 | 0.7319 | 0.2087 | 0.0857 | 0.0107 | 0.0006 | 0.0409 | 0.0013 | 0.0000 | 0.0045 | 0.039 | 0.222 |
| Steli-10 | 72.87 | 4.59 | 15.51 | 4.41 | 2.16 | 0.76 | 0.00 | 0.85 | 0.03 | 0.00 | 0.16 | 0.00 | 0.00 | 101.34 | 1.8453 | 0.0699 | 0.7266 | 0.2092 | 0.0910 | 0.0110 | 0.0000 | 0.0415 | 0.0007 | 0.0000 | 0.0048 | 0.037 | 0.224 |
| Stelileach-1-1 | 72.22 | 4.84 | 15.86 | 4.13 | 1.98 | 0.43 | 0.01 | 0.78 | 0.07 | 0.00 | 0.16 | 0.00 | 0.00 | 100.48 | 1.8435 | 0.0743 | 0.7489 | 0.1975 | 0.0841 | 0.0063 | 0.0006 | 0.0384 | 0.0016 | 0.0000 | 0.0048 | 0.039 | 0.209 |
| Stelileach-1-2 | 71.73 | 4.91 | 16.56 | 3.57 | 2.11 | 0.57 | 0.01 | 0.72 | 0.04 | 0.00 | 0.12 | 0.00 | 0.00 | 100.33 | 1.8325 | 0.0755 | 0.7826 | 0.1709 | 0.0897 | 0.0083 | 0.0006 | 0.0355 | 0.0009 | 0.0000 | 0.0036 | 0.040 | 0.179 |
| Stelileach-1-3 | 72.66 | 4.77 | 16.27 | 3.97 | 1.99 | 0.51 | 0.02 | 0.76 | 0.05 | 0.00 | 0.12 | 0.11 | 0.00 | 101.22 | 1.8402 | 0.0727 | 0.7623 | 0.1884 | 0.0838 | 0.0074 | 0.0012 | 0.0371 | 0.0011 | 0.0000 | 0.0058 | 0.038 | 0.198 |
| Stelileach-1-4 | 71.56 | 4.96 | 16.28 | 3.83 | 2.03 | 0.49 | 0.00 | 0.78 | 0.03 | 0.00 | 0.11 | 0.00 | 0.00 | 100.06 | 1.8325 | 0.0764 | 0.7712 | 0.1838 | 0.0865 | 0.0072 | 0.0000 | 0.0385 | 0.0007 | 0.0000 | 0.0033 | 0.040 | 0.192 |
| Stelileach-1-5 | 71.35 | 4.80 | 16.14 | 3.97 | 2.01 | 0.55 | 0.00 | 0.78 | 0.06 | 0.00 | 0.11 | 0.00 | 0.00 | 99.76 | 1.8314 | 0.0741 | 0.7664 | 0.1909 | 0.0858 | 0.0081 | 0.0000 | 0.0386 | 0.0014 | 0.0000 | 0.0033 | 0.039 | 0.199 |
| Stelileach-1-6 | 71.99 | 4.85 | 16.46 | 3.66 | 1.98 | 0.57 | 0.02 | 0.76 | 0.10 | 0.00 | 0.17 | 0.00 | 0.00 | 100.56 | 1.8359 | 0.0744 | 0.7765 | 0.1749 | 0.0840 | 0.0083 | 0.0012 | 0.0374 | 0.0022 | 0.0000 | 0.0051 | 0.039 | 0.184 |
| Stelileach-1-7 | 72.10 | 5.00 | 16.43 | 3.55 | 2.05 | 0.52 | 0.02 | 0.78 | 0.09 | 0.00 | 0.16 | 0.10 | 0.00 | 100.79 | 1.8368 | 0.0766 | 0.7743 | 0.1694 | 0.0869 | 0.0076 | 0.0012 | 0.0383 | 0.0020 | 0.0000 | 0.0069 | 0.040 | 0.180 |
| Stelileach-1-8 | 72.00 | 4.70 | 16.76 | 3.19 | 2.29 | 0.61 | 0.01 | 0.77 | 0.03 | 0.00 | 0.16 | 0.00 | 0.00 | 100.51 | 1.8353 | 0.0721 | 0.7903 | 0.1524 | 0.0971 | 0.0089 | 0.0006 | 0.0378 | 0.0007 | 0.0000 | 0.0048 | 0.038 | 0.162 |
| Stelileach-2-1 | 71.99 | 4.73 | 16.55 | 3.52 | 2.21 | 0.60 | 0.00 | 0.71 | 0.03 | 0.00 | 0.19 | 0.00 | 0.00 | 100.54 | 1.8352 | 0.0725 | 0.7804 | 0.1681 | 0.0937 | 0.0088 | 0.0000 | 0.0349 | 0.0007 | 0.0000 | 0.0057 | 0.038 | 0.177 |
| Stelileach-2-2 | 71.78 | 4.81 | 16.52 | 3.58 | 2.22 | 0.61 | 0.01 | 0.74 | 0.05 | 0.00 | 0.19 | 0.00 | 0.00 | 100.49 | 1.8296 | 0.0737 | 0.7789 | 0.1710 | 0.0941 | 0.0089 | 0.0006 | 0.0364 | 0.0011 | 0.0000 | 0.0057 | 0.039 | 0.180 |
| Stelileach-2-3 | 71.68 | 4.73 | 16.49 | 3.44 | 2.22 | 0.61 | 0.00 | 0.75 | 0.04 | 0.00 | 0.19 | 0.00 | 0.00 | 100.15 | 1.8345 | 0.0728 | 0.7807 | 0.1649 | 0.0945 | 0.0089 | 0.0000 | 0.0370 | 0.0009 | 0.0000 | 0.0057 | 0.038 | 0.174 |
| Stelileach-2-4 | 72.17 | 4.58 | 16.54 | 3.60 | 2.30 | 0.64 | 0.00 | 0.76 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 100.79 | 1.8323 | 0.0699 | 0.7768 | 0.1712 | 0.0971 | 0.0093 | 0.0000 | 0.0372 | 0.0000 | 0.0000 | 0.0060 | 0.037 | 0.181 |
| Stelileach-2-5 | 72.12 | 4.67 | 16.75 | 3.49 | 2.24 | 0.52 | 0.01 | 0.74 | 0.06 | 0.00 | 0.18 | 0.10 | 0.00 | 100.87 | 1.8293 | 0.0713 | 0.7859 | 0.1659 | 0.0945 | 0.0076 | 0.0006 | 0.0362 | 0.0013 | 0.0000 | 0.0074 | 0.037 | 0.174 |
| Stelileach-2-6 | 71.48 | 4.74 | 16.64 | 3.46 | 2.33 | 0.54 | 0.01 | 0.79 | 0.06 | 0.00 | 0.19 | 0.11 | 0.00 | 100.35 | 1.8220 | 0.0727 | 0.7846 | 0.1652 | 0.0988 | 0.0079 | 0.0006 | 0.0388 | 0.0013 | 0.0000 | 0.0080 | 0.038 | 0.174 |
| Stelileach-2-7 | 71.77 | 4.73 | 16.58 | 3.45 | 2.27 | 0.70 | 0.00 | 0.76 | 0.05 | 0.00 | 0.20 | 0.00 | 0.00 | 100.51 | 1.8298 | 0.0725 | 0.7819 | 0.1648 | 0.0963 | 0.0102 | 0.0000 | 0.0373 | 0.0011 | 0.0000 | 0.0060 | 0.038 | 0.174 |
| Stelileach-2-8 | 72.14 | 4.84 | 16.70 | 3.38 | 2.25 | 0.59 | 0.00 | 0.77 | 0.07 | 0.00 | 0.19 | 0.00 | 0.00 | 100.92 | 1.8321 | 0.0739 | 0.7846 | 0.1608 | 0.0951 | 0.0086 | 0.0000 | 0.0377 | 0.0016 | 0.0000 | 0.0057 | 0.039 | 0.170 |
| Stelileach-3-1 | 71.29 | 4.88 | 16.46 | 3.27 | 2.44 | 0.77 | 0.01 | 0.83 | 0.06 | 0.00 | 0.17 | 0.00 | 0.00 | 100.15 | 1.8252 | 0.0752 | 0.7796 | 0.1569 | 0.1039 | 0.0113 | 0.0006 | 0.0410 | 0.0014 | 0.0000 | 0.0051 | 0.040 | 0.168 |
| Stelileach-3-2 | 71.01 | 4.90 | 16.75 | 3.19 | 2.52 | 0.60 | 0.00 | 0.84 | 0.03 | 0.00 | 0.19 | 0.00 | 0.00 | 100.02 | 1.8157 | 0.0754 | 0.7923 | 0.1528 | 0.1072 | 0.0088 | 0.0000 | 0.0414 | 0.0007 | 0.0000 | 0.0057 | 0.040 | 0.162 |
| Stelileach-3-3 | 71.62 | 4.74 | 16.62 | 3.32 | 2.42 | 0.73 | 0.00 | 0.89 | 0.06 | 0.00 | 0.19 | 0.00 | 0.00 | 100.60 | 1.8228 | 0.0726 | 0.7825 | 0.1583 | 0.1025 | 0.0107 | 0.0000 | 0.0437 | 0.0013 | 0.0000 | 0.0057 | 0.038 | 0.168 |
| Stelileach-3-4 | 71.51 | 4.77 | 15.93 | 3.92 | 2.33 | 0.84 | 0.02 | 0.87 | 0.08 | 0.00 | 0.21 | 0.00 | 0.00 | 100.46 | 1.8244 | 0.0732 | 0.7518 | 0.1874 | 0.0989 | 0.0123 | 0.0012 | 0.0428 | 0.0018 | 0.0000 | 0.0063 | 0.039 | 0.200 |
| Stelileach-4-1 | 71.75 | 4.74 | 16.83 | 3.25 | 2.29 | 0.59 | 0.00 | 0.75 | 0.04 | 0.00 | 0.18 | 0.00 | 0.00 | 100.43 | 1.8294 | 0.0727 | 0.7938 | 0.1553 | 0.0971 | 0.0086 | 0.0000 | 0.0369 | 0.0009 | 0.0000 | 0.0054 | 0.038 | 0.164 |
| Stelileach-4-2 | 72.36 | 4.85 | 16.21 | 3.75 | 2.18 | 0.64 | 0.01 | 0.78 | 0.02 | 0.00 | 0.23 | 0.00 | 0.00 | 101.02 | 1.8381 | 0.0741 | 0.7617 | 0.1785 | 0.0921 | 0.0093 | 0.0006 | 0.0382 | 0.0004 | 0.0000 | 0.0069 | 0.039 | 0.190 |
| Stelileach-4-3 | 72.39 | 4.77 | 16.22 | 3.96 | 2.05 | 0.52 | 0.02 | 0.69 | 0.02 | 0.00 | 0.20 | 0.00 | 0.00 | 100.83 | 1.8401 | 0.0729 | 0.7627 | 0.1886 | 0.0867 | 0.0076 | 0.0012 | 0.0338 | 0.0004 | 0.0000 | 0.0060 | 0.038 | 0.198 |
| Stelileach-4-4 | 72.01 | 4.89 | 15.99 | 4.06 | 1.98 | 0.57 | 0.00 | 0.65 | 0.02 | 0.00 | 0.19 | 0.00 | 0.00 | 100.36 | 1.8424 | 0.0753 | 0.7568 | 0.1946 | 0.0843 | 0.0084 | 0.0000 | 0.0321 | 0.0005 | 0.0000 | 0.0057 | 0.039 | 0.205 |
| Stelileach-4-5 | 71.96 | 4.90 | 16.15 | 3.96 | 1.98 | 0.64 | 0.01 | 0.66 | 0.05 | 0.00 | 0.19 | 0.00 | 0.00 | 100.50 | 1.8384 | 0.0753 | 0.7633 | 0.1895 | 0.0841 | 0.0094 | 0.0006 | 0.0325 | 0.0011 | 0.0000 | 0.0057 | 0.039 | 0.199 |
| Stelileach-4-6 | 71.65 | 4.86 | 16.16 | 3.88 | 2.14 | 0.52 | 0.01 | 0.75 | 0.03 | 0.00 | 0.22 | 0.00 | 0.00 | 100.21 | 1.8317 | 0.0747 | 0.7642 | 0.1858 | 0.0910 | 0.0076 | 0.0006 | 0.0370 | 0.0007 | 0.0000 | 0.0066 | 0.039 | 0.196 |
| Stelileach-5-1 | 71.65 | 4.77 | 15.18 | 4.73 | 2.03 | 0.75 | 0.00 | 0.86 | 0.06 | 0.00 | 0.21 | 0.00 | 0.00 | 100.24 | 1.8336 | 0.0734 | 0.7186 | 0.2268 | 0.0864 | 0.0110 | 0.0000 | 0.0424 | 0.0014 | 0.0000 | 0.0063 | 0.039 | 0.240 |
| Stelileach-5-2 | 71.59 | 4.80 | 14.94 | 4.84 | 2.08 | 0.72 | 0.02 | 0.90 | 0.08 | 0.00 | 0.18 | 0.00 | 0.00 | 100.13 | 1.8338 | 0.0740 | 0.7079 | 0.2323 | 0.0886 | 0.0106 | 0.0012 | 0.0444 | 0.0018 | 0.0000 | 0.0054 | 0.039 | 0.247 |
| Stelileach-5-3 | 71.46 | 4.87 | 14.81 | 4.82 | 2.06 | 0.77 | 0.01 | 0.91 | 0.02 | 0.00 | 0.19 | 0.00 | 0.00 | 99.93 | 1.8370 | 0.0753 | 0.7043 | 0.2321 | 0.0881 | 0.0113 | 0.0006 | 0.0451 | 0.0005 | 0.0000 | 0.0057 | 0.039 | 0.248 |
| Stelileach-5-4 | 70.98 | 4.70 | 14.93 | 4.83 | 2.09 | 0.75 | 0.00 | 0.91 | 0.08 | 0.00 | 0.20 | 0.00 | 0.00 | 99.46 | 1.8287 | 0.0728 | 0.7116 | 0.2331 | 0.0896 | 0.0111 | 0.0000 | 0.0452 | 0.0018 | 0.0000 | 0.0061 | 0.038 | 0.247 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tangen | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tangen-1-1 | 67.96 | 11.79 | 3.78 | 15.71 | 0.87 | 0.23 | 0.08 | 0.04 | 0.02 | 0.00 | 0.07 | 0.00 | 0.00 | 100.56 | 1.7975 | 0.1876 | 0.1849 | 0.7785 | 0.0383 | 0.0035 | 0.0050 | 0.0020 | 0.0005 | 0.0000 | 0.0022 | 0.094 | 0.808 |
| Tangen-1-2 | 59.58 | 19.76 | 1.96 | 16.79 | 1.88 | 0.19 | 0.03 | 0.06 | 0.14 | 0.00 | 0.00 | 0.00 | 0.13 | 100.51 | 1.6226 | 0.3237 | 0.0987 | 0.8567 | 0.0852 | 0.0030 | 0.0019 | 0.0031 | 0.0034 | 0.0000 | 0.0000 | 0.166 | 0.897 |
| Tangen-1-3 | 59.34 | 19.39 | 1.96 | 16.76 | 1.99 | 0.22 | 0.03 | 0.05 | 0.21 | 0.00 | 0.00 | 0.00 | 0.13 | 100.08 | 1.6201 | 0.3184 | 0.0990 | 0.8573 | 0.0904 | 0.0034 | 0.0019 | 0.0026 | 0.0051 | 0.0000 | 0.0000 | 0.164 | 0.896 |
| Tangen-1-4 | 59.59 | 18.17 | 2.15 | 15.20 | 2.28 | 0.14 | 1.30 | 0.04 | 0.29 | 0.00 | 0.00 | 0.10 | 0.11 | 99.36 | 1.6193 | 0.2970 | 0.1081 | 0.7739 | 0.1031 | 0.0022 | 0.0837 | 0.0021 | 0.0070 | 0.0000 | 0.0022 | 0.155 | 0.877 |
| Tangen-1-5 | 60.28 | 18.13 | 1.98 | 16.77 | 2.13 | 0.11 | 0.05 | 0.04 | 0.21 | 0.00 | 0.00 | 0.00 | 0.10 | 99.79 | 1.6395 | 0.2966 | 0.0996 | 0.8545 | 0.0964 | 0.0017 | 0.0032 | 0.0021 | 0.0050 | 0.0000 | 0.0000 | 0.153 | 0.896 |
| Tangen-1-6 | 60.77 | 17.74 | 2.04 | 16.71 | 2.06 | 0.27 | 0.06 | 0.06 | 0.22 | 0.00 | 0.02 | 0.00 | 0.12 | 100.06 | 1.6478 | 0.2894 | 0.1023 | 0.8489 | 0.0929 | 0.0042 | 0.0039 | 0.0031 | 0.0053 | 0.0000 | 0.0006 | 0.149 | 0.892 |
| Tangen-1-7 | 61.28 | 16.90 | 2.02 | 15.97 | 2.03 | 0.26 | 0.84 | 0.04 | 0.20 | 0.00 | 0.02 | 0.00 | 0.14 | 99.68 | 1.6567 | 0.2748 | 0.1010 | 0.8089 | 0.0913 | 0.0040 | 0.0538 | 0.0021 | 0.0048 | 0.0000 | 0.0006 | 0.142 | 0.889 |
| Tangen-1-8 | 61.01 | 16.82 | 2.09 | 14.45 | 2.09 | 0.18 | 2.12 | 0.04 | 0.23 | 0.00 | 0.07 | 0.10 | 0.17 | 99.36 | 1.6460 | 0.2730 | 0.1043 | 0.7304 | 0.0938 | 0.0028 | 0.1356 | 0.0021 | 0.0055 | 0.0000 | 0.0044 | 0.142 | 0.875 |
| Tangen-1-9 | 61.58 | 16.64 | 2.13 | 16.53 | 2.29 | 0.26 | 0.25 | 0.05 | 0.24 | 0.00 | 0.04 | 0.00 | 0.19 | 100.19 | 1.6569 | 0.2693 | 0.1060 | 0.8333 | 0.1025 | 0.0040 | 0.0159 | 0.0026 | 0.0057 | 0.0000 | 0.0013 | 0.140 | 0.887 |
| Tangen-1-10 | 61.83 | 15.87 | 0.81 | 0.54 | 2.54 | 0.31 | 14.46 | 0.00 | 0.21 | 0.00 | 0.62 | 0.51 | 0.15 | 97.84 | 1.6277 | 0.2513 | 0.0394 | 0.0266 | 0.1112 | 0.0047 | 0.9021 | 0.0000 | 0.0049 | 0.0000 | 0.0301 | 0.134 | 0.403 |
| Tangen-2-1 | 60.74 | 18.24 | 2.08 | 16.82 | 2.00 | 0.15 | 0.04 | 0.04 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 100.31 | 1.6438 | 0.2969 | 0.1041 | 0.8529 | 0.0900 | 0.0023 | 0.0026 | 0.0021 | 0.0053 | 0.0000 | 0.0000 | 0.153 | 0.891 |
| Tangen-2-2 | 60.75 | 18.34 | 1.97 | 16.77 | 2.13 | 0.12 | 0.05 | 0.05 | 0.23 | 0.00 | 0.00 | 0.00 | 0.12 | 100.53 | 1.6429 | 0.2983 | 0.0986 | 0.8497 | 0.0958 | 0.0019 | 0.0032 | 0.0026 | 0.0055 | 0.0000 | 0.0000 | 0.154 | 0.896 |
| Tangen-2-3 | 60.50 | 17.96 | 1.97 | 16.86 | 2.24 | 0.12 | 0.05 | 0.06 | 0.24 | 0.00 | 0.06 | 0.00 | 0.17 | 100.22 | 1.6361 | 0.2922 | 0.0986 | 0.8543 | 0.1008 | 0.0019 | 0.0032 | 0.0031 | 0.0057 | 0.0000 | 0.0019 | 0.152 | 0.897 |
| Tangen-2-4 | 60.07 | 17.44 | 2.10 | 15.94 | 2.18 | 0.18 | 0.78 | 0.04 | 0.22 | 0.00 | 0.04 | 0.00 | 0.15 | 99.13 | 1.6341 | 0.2854 | 0.1057 | 0.8124 | 0.0986 | 0.0028 | 0.0503 | 0.0021 | 0.0053 | 0.0000 | 0.0013 | 0.149 | 0.885 |
| Tangen-2-5 | 60.91 | 17.15 | 2.03 | 17.07 | 2.14 | 0.18 | 0.05 | 0.06 | 0.27 | 0.00 | 0.00 | 0.00 | 0.10 | 99.96 | 1.6440 | 0.2784 | 0.1014 | 0.8632 | 0.0961 | 0.0028 | 0.0032 | 0.0031 | 0.0064 | 0.0000 | 0.0000 | 0.145 | 0.895 |
| Tangen-2-6 | 62.10 | 16.99 | 2.07 | 16.88 | 1.95 | 0.23 | 0.07 | 0.03 | 0.19 | 0.00 | 0.00 | 0.00 | 0.10 | 100.60 | 1.6695 | 0.2748 | 0.1029 | 0.8502 | 0.0872 | 0.0035 | 0.0045 | 0.0016 | 0.0045 | 0.0000 | 0.0000 | 0.141 | 0.892 |
| Tangen-2-7 | 63.35 | 16.12 | 2.08 | 16.97 | 1.79 | 0.16 | 0.05 | 0.06 | 0.21 | 0.00 | 0.01 | 0.00 | 0.00 | 100.81 | 1.6940 | 0.2593 | 0.1029 | 0.8502 | 0.0796 | 0.0025 | 0.0032 | 0.0031 | 0.0050 | 0.0000 | 0.0003 | 0.133 | 0.892 |
| Tangen-2-8 | 60.42 | 15.15 | 1.11 | 0.65 | 2.27 | 0.35 | 14.04 | 0.00 | 0.30 | 0.00 | 0.72 | 0.36 | 0.32 | 95.68 | 1.6239 | 0.2449 | 0.0552 | 0.0327 | 0.1015 | 0.0054 | 0.8943 | 0.0000 | 0.0071 | 0.0000 | 0.0306 | 0.131 | 0.372 |
| Tangen-2-9 | 61.84 | 16.60 | 2.06 | 16.48 | 2.34 | 0.13 | 0.29 | 0.05 | 0.24 | 0.00 | 0.09 | 0.00 | 0.13 | 100.23 | 1.6617 | 0.2683 | 0.1024 | 0.8297 | 0.1046 | 0.0020 | 0.0185 | 0.0026 | 0.0057 | 0.0000 | 0.0028 | 0.139 | 0.890 |
| Tangen-2-10 | 62.35 | 13.84 | 5.27 | 6.13 | 2.29 | 0.45 | 5.77 | 0.00 | 0.33 | 0.00 | 0.78 | 0.61 | 0.22 | 98.03 | 1.6781 | 0.2241 | 0.2624 | 0.3091 | 0.1025 | 0.0069 | 0.3681 | 0.0000 | 0.0078 | 0.0000 | 0.0380 | 0.118 | 0.541 |
| Tangenleach-1-2 | 65.68 | 12.66 | 4.20 | 14.88 | 1.03 | 0.30 | 0.07 | 0.03 | 0.03 | 0.00 | 0.15 | 0.00 | 0.00 | 99.02 | 1.7711 | 0.2053 | 0.2095 | 0.7517 | 0.0462 | 0.0046 | 0.0045 | 0.0016 | 0.0007 | 0.0000 | 0.0048 | 0.104 | 0.782 |
| Tangenleach-1-3 | 65.98 | 12.42 | 4.21 | 14.96 | 1.03 | 0.23 | 0.07 | 0.03 | 0.07 | 0.00 | 0.09 | 0.00 | 0.00 | 99.09 | 1.7752 | 0.2010 | 0.2095 | 0.7541 | 0.0461 | 0.0035 | 0.0045 | 0.0016 | 0.0017 | 0.0000 | 0.0029 | 0.102 | 0.783 |
| Tangenleach-2-1 | 65.63 | 13.05 | 4.43 | 14.56 | 1.04 | 0.36 | 0.07 | 0.03 | 0.11 | 0.00 | 0.25 | 0.00 | 0.00 | 99.52 | 1.7657 | 0.2112 | 0.2205 | 0.7339 | 0.0465 | 0.0056 | 0.0045 | 0.0016 | 0.0026 | 0.0000 | 0.0079 | 0.107 | 0.769 |
| Tangenleach-2-2 | 66.01 | 13.13 | 4.42 | 14.59 | 1.00 | 0.27 | 0.08 | 0.03 | 0.07 | 0.00 | 0.22 | 0.00 | 0.00 | 99.82 | 1.7712 | 0.2119 | 0.2194 | 0.7335 | 0.0446 | 0.0042 | 0.0051 | 0.0016 | 0.0017 | 0.0000 | 0.0069 | 0.107 | 0.770 |
| Tangenleach-3-1 | 65.78 | 13.56 | 4.50 | 14.43 | 1.00 | 0.16 | 0.09 | 0.04 | 0.07 | 0.00 | 0.16 | 0.00 | 0.00 | 99.78 | 1.7684 | 0.2193 | 0.2238 | 0.7268 | 0.0447 | 0.0025 | 0.0057 | 0.0021 | 0.0017 | 0.0000 | 0.0051 | 0.110 | 0.765 |
| Tangenleach-3-2 | 65.94 | 13.58 | 4.55 | 14.45 | 0.98 | 0.27 | 0.08 | 0.06 | 0.10 | 0.00 | 0.16 | 0.00 | 0.00 | 100.15 | 1.7668 | 0.2189 | 0.2255 | 0.7254 | 0.0437 | 0.0041 | 0.0051 | 0.0031 | 0.0024 | 0.0000 | 0.0050 | 0.110 | 0.763 |
| Tangenleach-3-3 | 65.86 | 13.42 | 4.39 | 14.55 | 1.00 | 0.23 | 0.08 | 0.04 | 0.05 | 0.00 | 0.19 | 0.00 | 0.00 | 99.80 | 1.7697 | 0.2169 | 0.2182 | 0.7325 | 0.0447 | 0.0035 | 0.0051 | 0.0021 | 0.0012 | 0.0000 | 0.0060 | 0.109 | 0.770 |
| Tangenleach-3-4 | 64.60 | 13.45 | 4.42 | 14.64 | 0.92 | 0.18 | 0.08 | 0.03 | 0.07 | 0.00 | 0.16 | 0.00 | 0.00 | 98.54 | 1.7550 | 0.2198 | 0.2221 | 0.7452 | 0.0416 | 0.0028 | 0.0052 | 0.0016 | 0.0017 | 0.0000 | 0.0051 | 0.111 | 0.770 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Karlshus | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Karlshus-1-1 | 44.77 | 36.03 | 13.95 | 4.19 | 1.37 | 0.52 | 0.01 | 0.07 | 0.02 | 0.08 | 0.00 | 0.00 | 0.00 | 101.01 | 1.3048 | 0.6316 | 0.7521 | 0.2288 | 0.0664 | 0.0087 | 0.0007 | 0.0039 | 0.0005 | 0.0025 | 0.0000 | 0.326 | 0.233 |
| Karlshus-1-2 | 43.73 | 35.79 | 14.12 | 4.25 | 1.34 | 0.55 | 0.01 | 0.08 | 0.07 | 0.09 | 0.00 | 0.10 | 0.00 | 100.13 | 1.2824 | 0.6313 | 0.7660 | 0.2335 | 0.0654 | 0.0092 | 0.0007 | 0.0045 | 0.0018 | 0.0028 | 0.0024 | 0.330 | 0.234 |
| Karlshus-1-3 | 44.02 | 35.84 | 14.03 | 4.26 | 1.29 | 0.47 | 0.01 | 0.07 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | 100.12 | 1.2919 | 0.6327 | 0.7617 | 0.2342 | 0.0630 | 0.0079 | 0.0007 | 0.0040 | 0.0018 | 0.0022 | 0.0000 | 0.329 | 0.235 |
| Karlshus-1-4 | 43.97 | 35.84 | 13.90 | 4.22 | 1.21 | 0.56 | 0.00 | 0.06 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 99.91 | 1.2964 | 0.6357 | 0.7581 | 0.2331 | 0.0593 | 0.0095 | 0.0000 | 0.0034 | 0.0016 | 0.0029 | 0.0000 | 0.329 | 0.235 |
| Karlshus-1-6 | 44.86 | 35.36 | 14.04 | 4.34 | 1.28 | 0.47 | 0.00 | 0.07 | 0.01 | 0.10 | 0.00 | 0.00 | 0.00 | 100.55 | 1.3081 | 0.6202 | 0.7573 | 0.2371 | 0.0621 | 0.0079 | 0.0000 | 0.0039 | 0.0003 | 0.0031 | 0.0000 | 0.322 | 0.238 |
| Karlshus-1-7 | 44.53 | 34.93 | 13.76 | 4.32 | 1.29 | 0.43 | 0.02 | 0.06 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | 99.49 | 1.3125 | 0.6193 | 0.7503 | 0.2386 | 0.0632 | 0.0073 | 0.0014 | 0.0034 | 0.0018 | 0.0022 | 0.0000 | 0.321 | 0.241 |
| Karlshus-1-8 | 28.08 | 51.50 | 11.00 | 4.83 | 2.68 | 0.51 | 0.08 | 0.19 | 0.11 | 0.24 | 0.00 | 0.00 | 0.19 | 99.41 | 0.8941 | 0.9865 | 0.6480 | 0.2882 | 0.1420 | 0.0093 | 0.0060 | 0.0117 | 0.0031 | 0.0082 | 0.0000 | 0.525 | 0.308 |
| Karlshus-1-9 | 27.62 | 52.02 | 11.72 | 4.53 | 2.63 | 0.88 | 0.02 | 0.15 | 0.12 | 0.20 | 0.00 | 0.00 | 0.10 | 99.99 | 0.8753 | 0.9916 | 0.6871 | 0.2690 | 0.1386 | 0.0160 | 0.0015 | 0.0092 | 0.0034 | 0.0068 | 0.0000 | 0.531 | 0.281 |
| Karlshus-1-10 | 26.98 | 52.37 | 13.20 | 3.11 | 2.59 | 0.47 | 0.02 | 0.16 | 0.07 | 0.27 | 0.00 | 0.00 | 0.00 | 99.24 | 0.8609 | 1.0052 | 0.7792 | 0.1859 | 0.1375 | 0.0086 | 0.0015 | 0.0098 | 0.0020 | 0.0093 | 0.0000 | 0.539 | 0.193 |
| Karlshus-2-1 | 28.69 | 50.40 | 13.72 | 2.90 | 3.52 | 0.54 | 0.02 | 0.19 | 0.13 | 0.21 | 0.00 | 0.00 | 0.00 | 100.31 | 0.8897 | 0.9402 | 0.7871 | 0.1685 | 0.1816 | 0.0096 | 0.0015 | 0.0114 | 0.0036 | 0.0070 | 0.0000 | 0.514 | 0.176 |
| Karlshus-2-2 | 28.03 | 52.63 | 13.47 | 3.16 | 2.32 | 0.59 | 0.02 | 0.17 | 0.11 | 0.25 | 0.00 | 0.00 | 0.00 | 100.75 | 0.8808 | 0.9949 | 0.7830 | 0.1861 | 0.1213 | 0.0106 | 0.0015 | 0.0103 | 0.0030 | 0.0085 | 0.0000 | 0.530 | 0.192 |
| Karlshus-2-3 | 27.06 | 53.63 | 13.55 | 3.10 | 2.51 | 0.45 | 0.00 | 0.17 | 0.10 | 0.24 | 0.00 | 0.13 | 0.11 | 101.07 | 0.8504 | 1.0138 | 0.7877 | 0.1825 | 0.1312 | 0.0081 | 0.0000 | 0.0103 | 0.0028 | 0.0081 | 0.0033 | 0.544 | 0.188 |
| Karlshus-2-4 | 26.00 | 51.55 | 13.04 | 3.10 | 2.36 | 0.74 | 0.06 | 0.16 | 0.08 | 0.20 | 0.00 | 0.00 | 0.00 | 97.31 | 0.8476 | 1.0109 | 0.7864 | 0.1893 | 0.1280 | 0.0138 | 0.0046 | 0.0101 | 0.0023 | 0.0070 | 0.0000 | 0.544 | 0.194 |
| Karlshus-2-5 | 27.01 | 53.50 | 13.04 | 3.35 | 2.45 | 0.52 | 0.02 | 0.16 | 0.09 | 0.22 | 0.00 | 0.00 | 0.00 | 100.36 | 0.8562 | 1.0202 | 0.7647 | 0.1990 | 0.1292 | 0.0094 | 0.0015 | 0.0098 | 0.0025 | 0.0075 | 0.0000 | 0.544 | 0.206 |
| Karlshus-2-7 | 43.90 | 35.95 | 13.62 | 4.38 | 1.44 | 0.54 | 0.00 | 0.09 | 0.11 | 0.05 | 0.00 | 0.10 | 0.00 | 100.17 | 1.2907 | 0.6358 | 0.7408 | 0.2413 | 0.0704 | 0.0091 | 0.0000 | 0.0051 | 0.0029 | 0.0016 | 0.0024 | 0.330 | 0.246 |
| Karlshus-2-8 | 42.34 | 37.27 | 12.79 | 4.93 | 1.70 | 0.64 | 0.03 | 0.10 | 0.06 | 0.07 | 0.00 | 0.00 | 0.00 | 99.93 | 1.2546 | 0.6643 | 0.7011 | 0.2737 | 0.0838 | 0.0109 | 0.0021 | 0.0057 | 0.0016 | 0.0022 | 0.0000 | 0.346 | 0.281 |
| Karlshus-2-9 | 42.78 | 37.71 | 13.33 | 4.46 | 1.67 | 0.59 | 0.01 | 0.11 | 0.07 | 0.08 | 0.00 | 0.10 | 0.00 | 100.90 | 1.2575 | 0.6668 | 0.7248 | 0.2456 | 0.0817 | 0.0099 | 0.0007 | 0.0062 | 0.0018 | 0.0025 | 0.0024 | 0.347 | 0.253 |
| Karlshus-2-10 | 42.66 | 36.82 | 13.63 | 4.22 | 1.58 | 0.48 | 0.03 | 0.09 | 0.07 | 0.10 | 0.00 | 0.00 | 0.11 | 99.80 | 1.2634 | 0.6559 | 0.7467 | 0.2341 | 0.0778 | 0.0081 | 0.0021 | 0.0051 | 0.0018 | 0.0032 | 0.0000 | 0.342 | 0.239 |
| Karleach-1-1 | 42.42 | 37.43 | 13.87 | 4.18 | 1.47 | 0.54 | 0.01 | 0.07 | 0.05 | 0.22 | 0.00 | 0.00 | 0.00 | 100.25 | 1.2523 | 0.6647 | 0.7575 | 0.2312 | 0.0722 | 0.0091 | 0.0007 | 0.0040 | 0.0013 | 0.0070 | 0.0000 | 0.347 | 0.234 |
| Karleach-1-2 | 43.01 | 37.76 | 13.83 | 4.22 | 1.48 | 0.54 | 0.00 | 0.10 | 0.07 | 0.24 | 0.00 | 0.00 | 0.00 | 101.24 | 1.2588 | 0.6648 | 0.7488 | 0.2314 | 0.0721 | 0.0091 | 0.0000 | 0.0056 | 0.0018 | 0.0076 | 0.0000 | 0.346 | 0.236 |
| Karleach-2-1 | 26.77 | 53.81 | 13.48 | 3.06 | 2.81 | 0.52 | 0.00 | 0.17 | 0.13 | 0.34 | 0.00 | 0.00 | 0.10 | 101.18 | 0.8397 | 1.0153 | 0.7822 | 0.1798 | 0.1466 | 0.0094 | 0.0000 | 0.0103 | 0.0036 | 0.0115 | 0.0000 | 0.547 | 0.187 |
| Karleach-2-2 | 26.73 | 54.02 | 13.69 | 3.10 | 2.83 | 0.61 | 0.00 | 0.18 | 0.11 | 0.33 | 0.00 | 0.11 | 0.14 | 101.84 | 0.8321 | 1.0115 | 0.7883 | 0.1808 | 0.1465 | 0.0109 | 0.0000 | 0.0108 | 0.0030 | 0.0111 | 0.0028 | 0.549 | 0.187 |
| Karleach-3-1 | 32.14 | 46.29 | 14.01 | 2.81 | 3.56 | 0.72 | 0.01 | 0.23 | 0.12 | 0.38 | 0.00 | 0.00 | 0.11 | 100.36 | 0.9785 | 0.8477 | 0.7890 | 0.1603 | 0.1803 | 0.0126 | 0.0007 | 0.0135 | 0.0032 | 0.0125 | 0.0000 | 0.464 | 0.169 |
| Karleach-3-2 | 32.16 | 46.80 | 14.21 | 2.82 | 3.58 | 0.65 | 0.01 | 0.27 | 0.11 | 0.35 | 0.00 | 0.00 | 0.11 | 101.07 | 0.9718 | 0.8507 | 0.7943 | 0.1597 | 0.1799 | 0.0113 | 0.0007 | 0.0157 | 0.0029 | 0.0114 | 0.0000 | 0.467 | 0.167 |
| Karleach-3-3 | 32.09 | 46.29 | 14.21 | 2.76 | 3.69 | 0.74 | 0.00 | 0.26 | 0.08 | 0.32 | 0.00 | 0.00 | 0.00 | 100.44 | 0.9737 | 0.8449 | 0.7976 | 0.1569 | 0.1862 | 0.0129 | 0.0000 | 0.0152 | 0.0021 | 0.0105 | 0.0000 | 0.465 | 0.164 |
| Karleach-4-1 | 26.54 | 53.92 | 13.44 | 2.94 | 3.08 | 0.41 | 0.01 | 0.19 | 0.09 | 0.30 | 0.00 | 0.14 | 0.15 | 101.20 | 0.8321 | 1.0169 | 0.7795 | 0.1727 | 0.1606 | 0.0074 | 0.0007 | 0.0115 | 0.0025 | 0.0101 | 0.0036 | 0.550 | 0.181 |
| Karleach-4-2 | 26.76 | 53.30 | 13.64 | 2.97 | 3.11 | 0.46 | 0.00 | 0.17 | 0.12 | 0.35 | 0.00 | 0.00 | 0.11 | 100.99 | 0.8369 | 1.0028 | 0.7892 | 0.1740 | 0.1618 | 0.0082 | 0.0000 | 0.0102 | 0.0033 | 0.0118 | 0.0000 | 0.545 | 0.181 |
| Karleach-4-3 | 26.84 | 53.24 | 13.66 | 2.97 | 3.10 | 0.51 | 0.01 | 0.18 | 0.10 | 0.34 | 0.00 | 0.00 | 0.12 | 101.07 | 0.8385 | 1.0005 | 0.7894 | 0.1738 | 0.1611 | 0.0091 | 0.0007 | 0.0108 | 0.0028 | 0.0115 | 0.0000 | 0.544 | 0.180 |
| Karleach-5-1 | 42.76 | 36.73 | 13.91 | 4.20 | 1.39 | 0.67 | 0.00 | 0.08 | 0.06 | 0.21 | 0.00 | 0.00 | 0.12 | 100.13 | 1.2621 | 0.6521 | 0.7595 | 0.2323 | 0.0682 | 0.0113 | 0.0000 | 0.0046 | 0.0016 | 0.0067 | 0.0000 | 0.341 | 0.234 |
| Karleach-5-2 | 43.40 | 36.60 | 13.96 | 4.12 | 1.43 | 0.56 | 0.00 | 0.09 | 0.02 | 0.20 | 0.00 | 0.02 | 0.12 | 100.51 | 1.2747 | 0.6466 | 0.7585 | 0.2267 | 0.0699 | 0.0094 | 0.0000 | 0.0051 | 0.0005 | 0.0063 | 0.0005 | 0.337 | 0.230 |
| Karleach-5-3 | 43.20 | 36.99 | 13.95 | 4.18 | 1.45 | 0.54 | 0.00 | 0.09 | 0.07 | 0.22 | 0.00 | 0.00 | 0.10 | 100.78 | 1.2665 | 0.6523 | 0.7565 | 0.2296 | 0.0707 | 0.0091 | 0.0000 | 0.0051 | 0.0018 | 0.0070 | 0.0000 | 0.340 | 0.233 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vintergruben | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vintergruben-1 | 72.97 | 5.56 | 14.69 | 5.54 | 1.71 | 0.74 | 0.01 | 0.18 | 0.03 | 0.00 | 0.08 | 0.00 | 0.00 | 101.51 | 1.8610 | 0.0853 | 0.6931 | 0.2647 | 0.0725 | 0.0108 | 0.0006 | 0.0088 | 0.0007 | 0.0000 | 0.0024 | 0.044 | 0.276 |
| Vintergruben-2 | 72.34 | 5.57 | 14.78 | 5.52 | 1.70 | 0.69 | 0.01 | 0.19 | 0.06 | 0.00 | 0.07 | 0.00 | 0.00 | 100.93 | 1.8529 | 0.0858 | 0.7003 | 0.2649 | 0.0724 | 0.0101 | 0.0006 | 0.0094 | 0.0014 | 0.0000 | 0.0021 | 0.044 | 0.274 |
| Vintergruben-3 | 72.37 | 5.59 | 14.78 | 5.49 | 1.62 | 0.75 | 0.02 | 0.18 | 0.06 | 0.00 | 0.08 | 0.00 | 0.00 | 100.93 | 1.8552 | 0.0862 | 0.7009 | 0.2637 | 0.0691 | 0.0110 | 0.0012 | 0.0089 | 0.0014 | 0.0000 | 0.0024 | 0.044 | 0.273 |
| Vintergruben-4 | 73.26 | 5.29 | 14.87 | 5.64 | 1.46 | 0.66 | 0.00 | 0.17 | 0.02 | 0.00 | 0.08 | 0.00 | 0.00 | 101.47 | 1.8663 | 0.0811 | 0.7008 | 0.2692 | 0.0619 | 0.0096 | 0.0000 | 0.0083 | 0.0004 | 0.0000 | 0.0024 | 0.042 | 0.278 |
| Vintergruben-5 | 73.40 | 5.25 | 14.95 | 5.60 | 1.45 | 0.67 | 0.00 | 0.16 | 0.02 | 0.00 | 0.11 | 0.00 | 0.00 | 101.60 | 1.8668 | 0.0803 | 0.7034 | 0.2668 | 0.0613 | 0.0098 | 0.0000 | 0.0078 | 0.0004 | 0.0000 | 0.0033 | 0.041 | 0.275 |
| Vintergruben-6 | 73.40 | 5.21 | 14.93 | 5.46 | 1.42 | 0.66 | 0.01 | 0.17 | 0.01 | 0.00 | 0.10 | 0.00 | 0.00 | 101.36 | 1.8724 | 0.0799 | 0.7046 | 0.2610 | 0.0603 | 0.0097 | 0.0006 | 0.0084 | 0.0002 | 0.0000 | 0.0030 | 0.041 | 0.270 |
| Vintergruben-7 | 73.43 | 5.33 | 14.80 | 5.74 | 1.35 | 0.64 | 0.01 | 0.16 | 0.04 | 0.00 | 0.09 | 0.00 | 0.00 | 101.59 | 1.8692 | 0.0816 | 0.6969 | 0.2738 | 0.0572 | 0.0093 | 0.0006 | 0.0079 | 0.0009 | 0.0000 | 0.0027 | 0.042 | 0.282 |
| Vintergruben-8 | 73.43 | 5.31 | 14.60 | 5.67 | 1.38 | 0.64 | 0.00 | 0.17 | 0.05 | 0.00 | 0.07 | 0.00 | 0.00 | 101.33 | 1.8769 | 0.0816 | 0.6903 | 0.2715 | 0.0587 | 0.0094 | 0.0000 | 0.0084 | 0.0011 | 0.0000 | 0.0021 | 0.042 | 0.282 |
| Vintergruben-9 | 73.14 | 5.27 | 14.80 | 5.72 | 1.45 | 0.74 | 0.01 | 0.16 | 0.01 | 0.00 | 0.09 | 0.00 | 0.00 | 101.39 | 1.8644 | 0.0808 | 0.6979 | 0.2732 | 0.0615 | 0.0108 | 0.0006 | 0.0079 | 0.0002 | 0.0000 | 0.0027 | 0.042 | 0.281 |
| Vintergruben-10 | 72.77 | 5.37 | 14.81 | 5.62 | 1.49 | 0.63 | 0.00 | 0.17 | 0.04 | 0.00 | 0.10 | 0.00 | 0.00 | 101.00 | 1.8620 | 0.0827 | 0.7010 | 0.2694 | 0.0634 | 0.0092 | 0.0000 | 0.0084 | 0.0009 | 0.0000 | 0.0030 | 0.043 | 0.278 |
| Vintergruben-11 | 73.36 | 5.27 | 14.93 | 5.61 | 1.44 | 0.66 | 0.01 | 0.15 | 0.01 | 0.00 | 0.08 | 0.00 | 0.00 | 101.52 | 1.8675 | 0.0807 | 0.7031 | 0.2676 | 0.0610 | 0.0096 | 0.0006 | 0.0074 | 0.0002 | 0.0000 | 0.0024 | 0.041 | 0.276 |
| Vintergruben-12 | 72.74 | 5.28 | 14.79 | 5.69 | 1.48 | 0.55 | 0.00 | 0.17 | 0.04 | 0.00 | 0.08 | 0.00 | 0.00 | 100.82 | 1.8624 | 0.0813 | 0.7005 | 0.2730 | 0.0630 | 0.0081 | 0.0000 | 0.0084 | 0.0009 | 0.0000 | 0.0024 | 0.042 | 0.280 |
| Vintergruben-13 | 73.54 | 5.32 | 14.79 | 5.67 | 1.49 | 0.64 | 0.01 | 0.17 | 0.04 | 0.00 | 0.10 | 0.00 | 0.00 | 101.77 | 1.8685 | 0.0813 | 0.6952 | 0.2699 | 0.0630 | 0.0093 | 0.0006 | 0.0083 | 0.0009 | 0.0000 | 0.0030 | 0.042 | 0.280 |
| Vintergruben-14 | 72.70 | 5.32 | 14.71 | 5.68 | 1.52 | 0.71 | 0.01 | 0.17 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 100.90 | 1.8620 | 0.0820 | 0.6969 | 0.2726 | 0.0648 | 0.0104 | 0.0006 | 0.0084 | 0.0000 | 0.0000 | 0.0024 | 0.042 | 0.281 |
| Vintergruben-15 | 73.06 | 5.18 | 14.56 | 5.60 | 1.50 | 0.60 | 0.02 | 0.17 | 0.03 | 0.00 | 0.10 | 0.00 | 0.00 | 100.82 | 1.8740 | 0.0799 | 0.6909 | 0.2691 | 0.0640 | 0.0088 | 0.0012 | 0.0084 | 0.0007 | 0.0000 | 0.0030 | 0.041 | 0.280 |
| Vintergruben-16 | 72.75 | 5.39 | 14.70 | 5.75 | 1.50 | 0.64 | 0.00 | 0.20 | 0.02 | 0.00 | 0.09 | 0.00 | 0.10 | 101.14 | 1.8594 | 0.0829 | 0.6950 | 0.2753 | 0.0638 | 0.0094 | 0.0000 | 0.0099 | 0.0005 | 0.0000 | 0.0027 | 0.043 | 0.284 |
| Vintergruben-17 | 73.01 | 5.35 | 14.71 | 5.69 | 1.58 | 0.68 | 0.01 | 0.20 | 0.02 | 0.00 | 0.12 | 0.00 | 0.00 | 101.38 | 1.8611 | 0.0820 | 0.6937 | 0.2718 | 0.0670 | 0.0099 | 0.0006 | 0.0098 | 0.0004 | 0.0000 | 0.0036 | 0.042 | 0.281 |
| Vintergruben-18 | 73.47 | 5.31 | 14.70 | 5.61 | 1.58 | 0.69 | 0.03 | 0.20 | 0.04 | 0.00 | 0.08 | 0.00 | 0.00 | 101.72 | 1.8682 | 0.0812 | 0.6915 | 0.2673 | 0.0668 | 0.0101 | 0.0018 | 0.0098 | 0.0009 | 0.0000 | 0.0024 | 0.042 | 0.279 |
| Vintergruben-19 | 72.67 | 5.36 | 14.84 | 5.69 | 1.63 | 0.68 | 0.01 | 0.20 | 0.03 | 0.00 | 0.10 | 0.00 | 0.00 | 101.21 | 1.8529 | 0.0822 | 0.6999 | 0.2718 | 0.0691 | 0.0099 | 0.0006 | 0.0098 | 0.0007 | 0.0000 | 0.0030 | 0.042 | 0.280 |
| Vintergruben-20 | 72.86 | 5.29 | 14.70 | 5.63 | 1.55 | 0.60 | 0.01 | 0.20 | 0.07 | 0.00 | 0.11 | 0.00 | 0.00 | 101.03 | 1.8633 | 0.0814 | 0.6954 | 0.2698 | 0.0659 | 0.0088 | 0.0006 | 0.0099 | 0.0016 | 0.0000 | 0.0033 | 0.042 | 0.279 |
| Vinterleach-1-1 | 72.99 | 5.35 | 14.56 | 5.58 | 1.41 | 0.88 | 0.02 | 0.19 | 0.03 | 0.00 | 0.10 | 0.00 | 0.00 | 101.10 | 1.8715 | 0.0825 | 0.6906 | 0.2681 | 0.0601 | 0.0129 | 0.0012 | 0.0094 | 0.0007 | 0.0000 | 0.0030 | 0.042 | 0.280 |
| Vinterleach-1-2 | 72.55 | 5.27 | 14.45 | 5.60 | 1.38 | 0.73 | 0.02 | 0.19 | 0.03 | 0.00 | 0.09 | 0.00 | 0.00 | 100.30 | 1.8730 | 0.0818 | 0.6901 | 0.2709 | 0.0593 | 0.0108 | 0.0012 | 0.0095 | 0.0007 | 0.0000 | 0.0027 | 0.042 | 0.282 |
| Vinterleach-1-3 | 72.06 | 5.30 | 14.45 | 5.62 | 1.41 | 0.87 | 0.01 | 0.19 | 0.03 | 0.00 | 0.11 | 0.00 | 0.00 | 100.05 | 1.8653 | 0.0825 | 0.6919 | 0.2726 | 0.0607 | 0.0129 | 0.0006 | 0.0095 | 0.0007 | 0.0000 | 0.0034 | 0.042 | 0.283 |
| Vinterleach-1-4 | 72.08 | 5.34 | 14.69 | 5.59 | 1.49 | 0.91 | 0.02 | 0.20 | 0.04 | 0.00 | 0.11 | 0.00 | 0.00 | 100.46 | 1.8555 | 0.0827 | 0.6995 | 0.2696 | 0.0638 | 0.0134 | 0.0012 | 0.0099 | 0.0009 | 0.0000 | 0.0033 | 0.043 | 0.278 |
| Vinterleach-2-1 | 72.03 | 5.24 | 14.66 | 5.50 | 1.54 | 0.68 | 0.03 | 0.17 | 0.05 | 0.00 | 0.09 | 0.00 | 0.00 | 99.99 | 1.8611 | 0.0814 | 0.7007 | 0.2663 | 0.0662 | 0.0101 | 0.0018 | 0.0085 | 0.0011 | 0.0000 | 0.0027 | 0.042 | 0.275 |
| Vinterleach-2-2 | 72.53 | 5.29 | 14.73 | 5.68 | 1.56 | 0.67 | 0.00 | 0.17 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 100.73 | 1.8595 | 0.0816 | 0.6986 | 0.2728 | 0.0665 | 0.0098 | 0.0000 | 0.0084 | 0.0000 | 0.0000 | 0.0027 | 0.042 | 0.281 |
| Vinterleach-2-3 | 73.00 | 5.23 | 14.66 | 5.61 | 1.56 | 0.66 | 0.01 | 0.19 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 101.01 | 1.8677 | 0.0805 | 0.6938 | 0.2689 | 0.0664 | 0.0097 | 0.0006 | 0.0094 | 0.0000 | 0.0000 | 0.0030 | 0.041 | 0.279 |
| Vinterleach-2-4 | 72.42 | 5.35 | 14.54 | 5.64 | 1.57 | 0.60 | 0.01 | 0.19 | 0.04 | 0.00 | 0.10 | 0.00 | 0.00 | 100.46 | 1.8633 | 0.0828 | 0.6920 | 0.2719 | 0.0672 | 0.0088 | 0.0006 | 0.0094 | 0.0009 | 0.0000 | 0.0030 | 0.043 | 0.282 |
| Vinterleach-2-5 | 72.59 | 5.20 | 14.67 | 5.60 | 1.53 | 0.73 | 0.02 | 0.19 | 0.04 | 0.00 | 0.10 | 0.00 | 0.00 | 100.67 | 1.8632 | 0.0803 | 0.6966 | 0.2693 | 0.0653 | 0.0107 | 0.0012 | 0.0094 | 0.0009 | 0.0000 | 0.0030 | 0.041 | 0.279 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Högsbo | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hoegsbo-1 | 71.22 | 6.94 | 8.04 | 11.84 | 1.00 | 0.73 | 0.05 | 0.02 | 0.05 | 0.00 | 0.39 | 0.00 | 0.10 | 100.38 | 1.8540 | 0.1087 | 0.3872 | 0.5775 | 0.0433 | 0.0109 | 0.0031 | 0.0010 | 0.0011 | 0.0000 | 0.0120 | 0.055 | 0.599 |
| Hoegsbo-2 | 71.65 | 7.14 | 7.88 | 11.66 | 1.00 | 0.88 | 0.03 | 0.01 | 0.06 | 0.00 | 0.38 | 0.00 | 0.00 | 100.68 | 1.8671 | 0.1119 | 0.3799 | 0.5693 | 0.0433 | 0.0131 | 0.0019 | 0.0005 | 0.0014 | 0.0000 | 0.0117 | 0.057 | 0.600 |
| Hoegsbo-3 | 71.26 | 7.10 | 7.97 | 11.73 | 1.03 | 0.92 | 0.04 | 0.03 | 0.01 | 0.00 | 0.37 | 0.00 | 0.00 | 100.46 | 1.8575 | 0.1113 | 0.3843 | 0.5729 | 0.0447 | 0.0137 | 0.0025 | 0.0015 | 0.0002 | 0.0000 | 0.0114 | 0.057 | 0.598 |
| Hoegsbo-4 | 71.53 | 6.99 | 7.92 | 11.58 | 0.98 | 0.78 | 0.05 | 0.02 | 0.01 | 0.00 | 0.36 | 0.00 | 0.00 | 100.22 | 1.8701 | 0.1099 | 0.3830 | 0.5672 | 0.0426 | 0.0117 | 0.0031 | 0.0010 | 0.0002 | 0.0000 | 0.0111 | 0.056 | 0.597 |
| Hoegsbo-5 | 71.75 | 7.08 | 7.89 | 11.84 | 0.99 | 0.85 | 0.04 | 0.01 | 0.02 | 0.00 | 0.41 | 0.00 | 0.00 | 100.86 | 1.8631 | 0.1106 | 0.3790 | 0.5760 | 0.0428 | 0.0127 | 0.0025 | 0.0005 | 0.0005 | 0.0000 | 0.0125 | 0.056 | 0.603 |
| Hoegsbo-6 | 71.37 | 7.04 | 8.06 | 11.71 | 0.99 | 0.77 | 0.05 | 0.02 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 100.41 | 1.8591 | 0.1103 | 0.3884 | 0.5715 | 0.0429 | 0.0115 | 0.0031 | 0.0010 | 0.0000 | 0.0000 | 0.0123 | 0.056 | 0.595 |
| Hoegsbo-7 | 71.42 | 7.08 | 8.01 | 11.77 | 1.02 | 0.92 | 0.04 | 0.01 | 0.01 | 0.00 | 0.40 | 0.10 | 0.00 | 100.78 | 1.8559 | 0.1107 | 0.3850 | 0.5730 | 0.0441 | 0.0137 | 0.0025 | 0.0005 | 0.0002 | 0.0000 | 0.0143 | 0.056 | 0.598 |
| Hoegsbo-8 | 71.47 | 6.96 | 7.90 | 11.73 | 0.98 | 0.78 | 0.04 | 0.01 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 100.27 | 1.8657 | 0.1093 | 0.3815 | 0.5737 | 0.0426 | 0.0117 | 0.0025 | 0.0005 | 0.0000 | 0.0000 | 0.0126 | 0.055 | 0.601 |
| Hoegsbo-9 | 71.31 | 7.02 | 7.99 | 11.85 | 1.01 | 0.83 | 0.04 | 0.02 | 0.05 | 0.00 | 0.38 | 0.00 | 0.00 | 100.51 | 1.8555 | 0.1099 | 0.3846 | 0.5777 | 0.0437 | 0.0124 | 0.0025 | 0.0010 | 0.0011 | 0.0000 | 0.0116 | 0.056 | 0.600 |
| Hoegsbo-10 | 71.29 | 7.04 | 8.08 | 11.76 | 1.03 | 0.76 | 0.05 | 0.01 | 0.01 | 0.00 | 0.40 | 0.00 | 0.00 | 100.42 | 1.8554 | 0.1102 | 0.3890 | 0.5734 | 0.0446 | 0.0113 | 0.0031 | 0.0005 | 0.0002 | 0.0000 | 0.0123 | 0.056 | 0.596 |
| Hoegsbo-11 | 71.74 | 6.95 | 7.98 | 11.82 | 1.02 | 0.67 | 0.05 | 0.02 | 0.02 | 0.00 | 0.38 | 0.00 | 0.00 | 100.68 | 1.8629 | 0.1086 | 0.3833 | 0.5751 | 0.0441 | 0.0100 | 0.0031 | 0.0010 | 0.0005 | 0.0000 | 0.0116 | 0.055 | 0.600 |
| Hoegsbo-12 | 71.74 | 7.01 | 8.10 | 11.65 | 0.99 | 0.86 | 0.04 | 0.02 | 0.02 | 0.00 | 0.37 | 0.10 | 0.00 | 100.89 | 1.8622 | 0.1095 | 0.3889 | 0.5666 | 0.0427 | 0.0128 | 0.0025 | 0.0010 | 0.0005 | 0.0000 | 0.0134 | 0.056 | 0.593 |
| Hoegsbo-13 | 71.45 | 7.13 | 8.19 | 11.87 | 0.98 | 0.73 | 0.04 | 0.02 | 0.01 | 0.00 | 0.39 | 0.00 | 0.00 | 100.78 | 1.8514 | 0.1111 | 0.3926 | 0.5763 | 0.0422 | 0.0108 | 0.0025 | 0.0010 | 0.0002 | 0.0000 | 0.0119 | 0.057 | 0.595 |
| Hoegsbo-14 | 71.29 | 7.23 | 8.03 | 11.82 | 1.00 | 0.71 | 0.05 | 0.02 | 0.05 | 0.00 | 0.39 | 0.10 | 0.00 | 100.68 | 1.8525 | 0.1130 | 0.3860 | 0.5755 | 0.0432 | 0.0106 | 0.0031 | 0.0010 | 0.0011 | 0.0000 | 0.0140 | 0.057 | 0.599 |
| Hoegsbo-15 | 71.74 | 7.28 | 8.03 | 11.78 | 0.98 | 0.81 | 0.05 | 0.03 | 0.06 | 0.00 | 0.39 | 0.00 | 0.00 | 101.15 | 1.8581 | 0.1134 | 0.3847 | 0.5716 | 0.0422 | 0.0120 | 0.0031 | 0.0015 | 0.0014 | 0.0000 | 0.0119 | 0.058 | 0.598 |
| Hoegsbo-16 | 71.66 | 7.06 | 8.04 | 11.64 | 1.02 | 0.77 | 0.04 | 0.03 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 100.61 | 1.8645 | 0.1105 | 0.3870 | 0.5674 | 0.0441 | 0.0115 | 0.0025 | 0.0015 | 0.0000 | 0.0000 | 0.0110 | 0.056 | 0.595 |
| Hoegsbo-17 | 71.55 | 7.30 | 7.98 | 11.84 | 0.95 | 0.78 | 0.06 | 0.02 | 0.01 | 0.00 | 0.40 | 0.00 | 0.00 | 100.89 | 1.8572 | 0.1140 | 0.3832 | 0.5758 | 0.0410 | 0.0116 | 0.0037 | 0.0010 | 0.0002 | 0.0000 | 0.0122 | 0.058 | 0.600 |
| Hoegsbo-18 | 71.62 | 6.92 | 8.07 | 11.89 | 0.99 | 0.72 | 0.03 | 0.03 | 0.01 | 0.00 | 0.39 | 0.00 | 0.00 | 100.68 | 1.8579 | 0.1080 | 0.3873 | 0.5779 | 0.0427 | 0.0107 | 0.0018 | 0.0015 | 0.0002 | 0.0000 | 0.0119 | 0.055 | 0.599 |
| Hoegsbo-19 | 71.22 | 6.93 | 8.06 | 11.79 | 0.99 | 0.75 | 0.04 | 0.00 | 0.02 | 0.00 | 0.37 | 0.00 | 0.00 | 100.17 | 1.8577 | 0.1087 | 0.3889 | 0.5762 | 0.0430 | 0.0112 | 0.0025 | 0.0000 | 0.0005 | 0.0000 | 0.0114 | 0.055 | 0.597 |
| Hoegsbo-20 | 72.23 | 6.93 | 7.96 | 11.82 | 0.96 | 0.69 | 0.13 | 0.01 | 0.05 | 0.00 | 0.39 | 0.00 | 0.00 | 101.16 | 1.8665 | 0.1077 | 0.3805 | 0.5723 | 0.0413 | 0.0102 | 0.0080 | 0.0005 | 0.0011 | 0.0000 | 0.0119 | 0.055 | 0.601 |
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| **Svecofennian columbite-tantalite minerals** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ytterbodliden | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1-2 | 69.47 | 6.37 | 8.22 | 11.52 | 1.01 | 0.98 | 0.06 | 0.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 98.12 | 1.8430 | 0.1017 | 0.4034 | 0.5726 | 0.0446 | 0.0149 | 0.0038 | 0.0010 | 0.0000 | 0.0000 | 0.0150 | 0.052 | 0.587 |
| C1-3 | 69.66 | 6.35 | 8.47 | 11.47 | 1.01 | 0.94 | 0.06 | 0.01 | 0.04 | 0.00 | 0.46 | 0.00 | 0.00 | 98.47 | 1.8397 | 0.1009 | 0.4138 | 0.5675 | 0.0444 | 0.0142 | 0.0038 | 0.0005 | 0.0009 | 0.0000 | 0.0143 | 0.052 | 0.578 |
| C1-4 | 69.73 | 6.42 | 8.57 | 11.40 | 0.95 | 0.83 | 0.06 | 0.01 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 98.45 | 1.8419 | 0.1020 | 0.4188 | 0.5642 | 0.0417 | 0.0126 | 0.0038 | 0.0005 | 0.0000 | 0.0000 | 0.0146 | 0.052 | 0.574 |
| C1-5 | 70.11 | 6.46 | 7.31 | 10.42 | 0.99 | 0.86 | 1.84 | 0.01 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 98.48 | 1.8432 | 0.1022 | 0.3555 | 0.5132 | 0.0433 | 0.0130 | 0.1146 | 0.0005 | 0.0000 | 0.0000 | 0.0145 | 0.053 | 0.591 |
| C1-6 | 69.71 | 6.37 | 8.49 | 11.29 | 0.98 | 0.84 | 0.07 | 0.02 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 98.22 | 1.8465 | 0.1015 | 0.4160 | 0.5603 | 0.0432 | 0.0128 | 0.0044 | 0.0010 | 0.0000 | 0.0000 | 0.0143 | 0.052 | 0.574 |
| C1-7 | 69.30 | 6.68 | 7.93 | 11.39 | 0.98 | 0.81 | 0.34 | 0.03 | 0.02 | 0.00 | 0.51 | 0.00 | 0.00 | 97.98 | 1.8414 | 0.1068 | 0.3898 | 0.5670 | 0.0433 | 0.0123 | 0.0214 | 0.0015 | 0.0005 | 0.0000 | 0.0160 | 0.055 | 0.593 |
| C1-8 | 70.73 | 6.44 | 8.09 | 10.64 | 0.99 | 0.82 | 0.58 | 0.02 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 98.80 | 1.8677 | 0.1023 | 0.3952 | 0.5264 | 0.0435 | 0.0124 | 0.0363 | 0.0010 | 0.0000 | 0.0000 | 0.0152 | 0.052 | 0.571 |
| C1-9 | 69.47 | 6.45 | 8.44 | 11.46 | 1.01 | 0.79 | 0.06 | 0.02 | 0.06 | 0.00 | 0.41 | 0.00 | 0.00 | 98.16 | 1.8397 | 0.1027 | 0.4135 | 0.5686 | 0.0445 | 0.0120 | 0.0038 | 0.0010 | 0.0014 | 0.0000 | 0.0128 | 0.053 | 0.579 |
| C1-10 | 69.70 | 6.26 | 7.81 | 11.31 | 0.97 | 0.91 | 0.44 | 0.01 | 0.02 | 0.00 | 0.49 | 0.10 | 0.00 | 98.03 | 1.8508 | 0.1000 | 0.3836 | 0.5627 | 0.0428 | 0.0139 | 0.0277 | 0.0005 | 0.0005 | 0.0000 | 0.0175 | 0.051 | 0.595 |
| C1-11 | 69.37 | 6.45 | 8.21 | 11.30 | 0.98 | 0.97 | 0.15 | 0.00 | 0.00 | 0.00 | 0.48 | 0.10 | 0.00 | 98.00 | 1.8450 | 0.1032 | 0.4039 | 0.5631 | 0.0434 | 0.0148 | 0.0095 | 0.0000 | 0.0000 | 0.0000 | 0.0172 | 0.053 | 0.582 |
| C1-12 | 69.54 | 6.41 | 8.20 | 11.56 | 1.01 | 1.01 | 0.04 | 0.03 | 0.02 | 0.00 | 0.48 | 0.00 | 0.00 | 98.29 | 1.8426 | 0.1022 | 0.4019 | 0.5739 | 0.0445 | 0.0153 | 0.0025 | 0.0015 | 0.0005 | 0.0000 | 0.0150 | 0.053 | 0.588 |
| C1-13 | 69.50 | 6.27 | 8.01 | 11.29 | 1.02 | 0.83 | 0.34 | 0.04 | 0.03 | 0.00 | 0.51 | 0.00 | 0.00 | 97.83 | 1.8464 | 0.1002 | 0.3936 | 0.5620 | 0.0451 | 0.0126 | 0.0214 | 0.0020 | 0.0007 | 0.0000 | 0.0159 | 0.051 | 0.588 |
| C1-14 | 69.25 | 6.28 | 8.16 | 11.51 | 0.97 | 0.86 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 97.58 | 1.8463 | 0.1007 | 0.4024 | 0.5749 | 0.0430 | 0.0131 | 0.0032 | 0.0015 | 0.0000 | 0.0000 | 0.0148 | 0.052 | 0.588 |
| C1-15 | 69.67 | 6.38 | 8.08 | 11.65 | 0.98 | 0.93 | 0.05 | 0.01 | 0.06 | 0.00 | 0.53 | 0.00 | 0.00 | 98.35 | 1.8454 | 0.1017 | 0.3959 | 0.5782 | 0.0432 | 0.0141 | 0.0031 | 0.0005 | 0.0014 | 0.0000 | 0.0165 | 0.052 | 0.594 |
| C1-16 | 70.00 | 6.20 | 8.26 | 11.64 | 0.99 | 0.78 | 0.03 | 0.02 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 98.41 | 1.8488 | 0.0985 | 0.4036 | 0.5760 | 0.0435 | 0.0118 | 0.0019 | 0.0010 | 0.0000 | 0.0000 | 0.0149 | 0.051 | 0.588 |
| C1-17 | 69.37 | 6.33 | 8.19 | 11.60 | 0.98 | 0.78 | 0.06 | 0.04 | 0.02 | 0.00 | 0.50 | 0.00 | 0.00 | 97.86 | 1.8423 | 0.1011 | 0.4024 | 0.5772 | 0.0433 | 0.0119 | 0.0038 | 0.0020 | 0.0005 | 0.0000 | 0.0156 | 0.052 | 0.589 |
| C1-18 | 69.81 | 6.49 | 8.03 | 11.60 | 0.99 | 0.79 | 0.06 | 0.01 | 0.03 | 0.00 | 0.51 | 0.36 | 0.00 | 98.69 | 1.8455 | 0.1032 | 0.3927 | 0.5745 | 0.0435 | 0.0120 | 0.0038 | 0.0005 | 0.0007 | 0.0000 | 0.0236 | 0.053 | 0.594 |
| C1-19 | 70.11 | 6.35 | 8.22 | 11.51 | 1.01 | 0.89 | 0.05 | 0.03 | 0.01 | 0.00 | 0.47 | 0.00 | 0.00 | 98.64 | 1.8510 | 0.1008 | 0.4015 | 0.5693 | 0.0444 | 0.0135 | 0.0031 | 0.0015 | 0.0002 | 0.0000 | 0.0146 | 0.052 | 0.586 |
| C1-20 | 69.71 | 6.45 | 8.19 | 11.48 | 0.99 | 0.79 | 0.06 | 0.02 | 0.03 | 0.00 | 0.47 | 0.00 | 0.00 | 98.19 | 1.8489 | 0.1029 | 0.4018 | 0.5705 | 0.0437 | 0.0120 | 0.0038 | 0.0010 | 0.0007 | 0.0000 | 0.0147 | 0.053 | 0.587 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C2-1 | 35.84 | 45.02 | 11.15 | 5.76 | 0.99 | 0.49 | 0.01 | 0.11 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 99.75 | 1.1102 | 0.8389 | 0.6389 | 0.3343 | 0.0510 | 0.0087 | 0.0007 | 0.0066 | 0.0107 | 0.0000 | 0.0000 | 0.430 | 0.343 |
| C2-2 | 35.55 | 45.04 | 11.31 | 5.65 | 1.04 | 0.59 | 0.02 | 0.09 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 99.66 | 1.1022 | 0.8400 | 0.6487 | 0.3282 | 0.0536 | 0.0105 | 0.0015 | 0.0054 | 0.0098 | 0.0000 | 0.0000 | 0.432 | 0.336 |
| C2-3 | 31.76 | 46.94 | 10.08 | 5.80 | 0.60 | 0.31 | 0.27 | 0.12 | 0.27 | 0.00 | 0.00 | 0.00 | 2.37 | 98.52 | 1.0249 | 0.9112 | 0.6018 | 0.3507 | 0.0322 | 0.0057 | 0.0207 | 0.0075 | 0.0077 | 0.0000 | 0.0000 | 0.471 | 0.368 |
| C2-4 | 36.84 | 44.10 | 10.89 | 6.43 | 0.79 | 0.38 | 0.00 | 0.10 | 0.28 | 0.14 | 0.00 | 0.00 | 0.00 | 99.95 | 1.1314 | 0.8147 | 0.6187 | 0.3700 | 0.0404 | 0.0067 | 0.0000 | 0.0059 | 0.0076 | 0.0046 | 0.0000 | 0.419 | 0.374 |
| C2-5 | 35.27 | 45.06 | 11.11 | 5.74 | 1.20 | 0.43 | 0.00 | 0.10 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 99.27 | 1.0971 | 0.8431 | 0.6393 | 0.3345 | 0.0621 | 0.0077 | 0.0000 | 0.0060 | 0.0102 | 0.0000 | 0.0000 | 0.435 | 0.344 |
| C2-6 | 34.79 | 45.47 | 11.43 | 5.46 | 1.21 | 0.47 | 0.01 | 0.09 | 0.46 | 0.12 | 0.00 | 0.00 | 0.00 | 99.50 | 1.0812 | 0.8500 | 0.6571 | 0.3179 | 0.0626 | 0.0084 | 0.0007 | 0.0054 | 0.0126 | 0.0040 | 0.0000 | 0.440 | 0.326 |
| C2-7 | 31.97 | 50.24 | 11.12 | 5.59 | 0.51 | 0.40 | 0.01 | 0.10 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 100.10 | 1.0131 | 0.9577 | 0.6519 | 0.3319 | 0.0269 | 0.0073 | 0.0008 | 0.0061 | 0.0045 | 0.0000 | 0.0000 | 0.486 | 0.337 |
| C2-8 | 31.71 | 46.33 | 10.24 | 5.89 | 0.81 | 0.55 | 0.14 | 0.10 | 0.28 | 0.00 | 0.00 | 0.00 | 2.79 | 98.85 | 1.0189 | 0.8955 | 0.6087 | 0.3546 | 0.0433 | 0.0101 | 0.0107 | 0.0062 | 0.0079 | 0.0000 | 0.0000 | 0.468 | 0.368 |
| C2-9 | 36.13 | 44.96 | 11.34 | 5.62 | 0.98 | 0.47 | 0.04 | 0.11 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 99.98 | 1.1153 | 0.8348 | 0.6475 | 0.3250 | 0.0503 | 0.0083 | 0.0029 | 0.0065 | 0.0093 | 0.0000 | 0.0000 | 0.428 | 0.334 |
| C2-10 | 35.08 | 45.67 | 11.18 | 5.47 | 0.91 | 0.48 | 0.00 | 0.11 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 99.19 | 1.0991 | 0.8608 | 0.6480 | 0.3211 | 0.0474 | 0.0086 | 0.0000 | 0.0066 | 0.0083 | 0.0000 | 0.0000 | 0.439 | 0.331 |
| C2-12 | 34.83 | 46.49 | 11.30 | 5.41 | 1.24 | 0.50 | 0.00 | 0.11 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 100.36 | 1.0792 | 0.8665 | 0.6477 | 0.3141 | 0.0639 | 0.0089 | 0.0000 | 0.0066 | 0.0131 | 0.0000 | 0.0000 | 0.445 | 0.327 |
| C2-13 | 34.49 | 46.78 | 11.23 | 5.67 | 0.93 | 0.51 | 0.01 | 0.12 | 0.39 | 0.10 | 0.00 | 0.00 | 0.00 | 100.22 | 1.0714 | 0.8741 | 0.6453 | 0.3300 | 0.0481 | 0.0091 | 0.0007 | 0.0072 | 0.0107 | 0.0034 | 0.0000 | 0.449 | 0.338 |
| C2-14 | 33.69 | 47.53 | 11.18 | 5.53 | 0.82 | 0.49 | 0.00 | 0.11 | 0.33 | 0.19 | 0.00 | 0.00 | 0.00 | 99.88 | 1.0564 | 0.8965 | 0.6485 | 0.3249 | 0.0428 | 0.0088 | 0.0000 | 0.0066 | 0.0091 | 0.0064 | 0.0000 | 0.459 | 0.334 |
| C2-15 | 34.00 | 47.58 | 11.24 | 5.67 | 0.70 | 0.36 | 0.01 | 0.11 | 0.28 | 0.24 | 0.00 | 0.00 | 0.00 | 100.17 | 1.0609 | 0.8930 | 0.6488 | 0.3315 | 0.0363 | 0.0064 | 0.0007 | 0.0066 | 0.0077 | 0.0081 | 0.0000 | 0.457 | 0.338 |
| C2-16 | 33.98 | 46.83 | 9.82 | 7.07 | 0.98 | 0.43 | 0.01 | 0.11 | 0.43 | 0.18 | 0.00 | 0.00 | 0.00 | 99.84 | 1.0591 | 0.8780 | 0.5662 | 0.4129 | 0.0508 | 0.0077 | 0.0007 | 0.0066 | 0.0118 | 0.0061 | 0.0000 | 0.453 | 0.422 |
| C2-17 | 34.58 | 46.36 | 9.67 | 7.13 | 1.29 | 0.50 | 0.02 | 0.11 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 100.10 | 1.0717 | 0.8642 | 0.5544 | 0.4140 | 0.0665 | 0.0089 | 0.0015 | 0.0066 | 0.0123 | 0.0000 | 0.0000 | 0.446 | 0.428 |
| C2-18 | 30.27 | 47.27 | 10.04 | 5.05 | 0.74 | 0.39 | 0.42 | 0.11 | 0.23 | 0.11 | 0.00 | 0.00 | 3.53 | 98.14 | 0.9929 | 0.9327 | 0.6092 | 0.3104 | 0.0404 | 0.0073 | 0.0327 | 0.0070 | 0.0067 | 0.0039 | 0.0000 | 0.484 | 0.337 |
| C2-19 | 34.38 | 46.95 | 11.28 | 5.63 | 0.67 | 0.48 | 0.00 | 0.11 | 0.26 | 0.08 | 0.00 | 0.13 | 0.00 | 99.96 | 1.0737 | 0.8820 | 0.6517 | 0.3294 | 0.0348 | 0.0086 | 0.0000 | 0.0066 | 0.0072 | 0.0027 | 0.0033 | 0.451 | 0.336 |
| C2-20 | 35.39 | 44.91 | 8.66 | 8.81 | 1.60 | 0.56 | 0.07 | 0.09 | 0.65 | 0.16 | 0.00 | 0.00 | 0.10 | 100.99 | 1.0719 | 0.8182 | 0.4852 | 0.4999 | 0.0806 | 0.0097 | 0.0050 | 0.0053 | 0.0174 | 0.0052 | 0.0000 | 0.433 | 0.507 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C3-1a | 60.38 | 20.08 | 11.11 | 8.09 | 0.29 | 0.52 | 0.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 100.58 | 1.6607 | 0.3322 | 0.5653 | 0.4169 | 0.0133 | 0.0082 | 0.0000 | 0.0016 | 0.0019 | 0.0000 | 0.0000 | 0.167 | 0.424 |
| C3-2a | 59.90 | 19.91 | 11.17 | 7.91 | 0.33 | 0.44 | 0.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.10 | 0.00 | 99.84 | 1.6586 | 0.3316 | 0.5722 | 0.4104 | 0.0152 | 0.0070 | 0.0000 | 0.0016 | 0.0012 | 0.0000 | 0.0022 | 0.167 | 0.418 |
| C3-1 | 59.46 | 19.94 | 11.06 | 8.12 | 0.29 | 0.63 | 0.00 | 0.08 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 99.65 | 1.6488 | 0.3326 | 0.5673 | 0.4219 | 0.0134 | 0.0100 | 0.0000 | 0.0043 | 0.0017 | 0.0000 | 0.0000 | 0.168 | 0.426 |
| C3-2 | 59.76 | 19.71 | 11.20 | 7.99 | 0.29 | 0.70 | 0.00 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 99.78 | 1.6546 | 0.3283 | 0.5736 | 0.4145 | 0.0134 | 0.0111 | 0.0000 | 0.0027 | 0.0020 | 0.0000 | 0.0000 | 0.166 | 0.419 |
| C3-3 | 59.70 | 19.92 | 10.84 | 8.48 | 0.29 | 0.57 | 0.00 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 99.94 | 1.6488 | 0.3309 | 0.5538 | 0.4388 | 0.0133 | 0.0090 | 0.0000 | 0.0032 | 0.0022 | 0.0000 | 0.0000 | 0.167 | 0.442 |
| C3-4 | 59.91 | 19.82 | 10.48 | 8.69 | 0.32 | 0.46 | 0.01 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 99.82 | 1.6567 | 0.3297 | 0.5361 | 0.4502 | 0.0147 | 0.0073 | 0.0007 | 0.0027 | 0.0020 | 0.0000 | 0.0000 | 0.166 | 0.456 |
| C3-5 | 59.98 | 19.97 | 10.56 | 8.78 | 0.32 | 0.50 | 0.00 | 0.04 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 100.22 | 1.6519 | 0.3308 | 0.5380 | 0.4531 | 0.0147 | 0.0079 | 0.0000 | 0.0021 | 0.0015 | 0.0000 | 0.0000 | 0.167 | 0.457 |
| C3-6 | 60.64 | 18.16 | 10.12 | 9.02 | 0.35 | 0.83 | 0.05 | 0.04 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 99.32 | 1.6761 | 0.3019 | 0.5175 | 0.4671 | 0.0161 | 0.0132 | 0.0033 | 0.0021 | 0.0027 | 0.0000 | 0.0000 | 0.153 | 0.474 |
| C3-7 | 61.30 | 18.34 | 11.43 | 7.85 | 0.31 | 0.74 | 0.00 | 0.06 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 100.10 | 1.6824 | 0.3028 | 0.5803 | 0.4036 | 0.0142 | 0.0116 | 0.0000 | 0.0032 | 0.0019 | 0.0000 | 0.0000 | 0.153 | 0.410 |
| C3-8 | 55.55 | 23.52 | 10.59 | 8.28 | 0.41 | 0.87 | 0.13 | 0.06 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 99.51 | 1.5646 | 0.3985 | 0.5518 | 0.4369 | 0.0192 | 0.0140 | 0.0087 | 0.0033 | 0.0030 | 0.0000 | 0.0000 | 0.203 | 0.442 |
| C3-9 | 55.80 | 23.93 | 9.24 | 7.34 | 0.36 | 0.49 | 2.02 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 99.33 | 1.5661 | 0.4040 | 0.4797 | 0.3860 | 0.0168 | 0.0079 | 0.1344 | 0.0027 | 0.0025 | 0.0000 | 0.0000 | 0.205 | 0.446 |
| C3-10 | 53.73 | 25.95 | 10.41 | 8.30 | 0.36 | 0.59 | 0.00 | 0.05 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 99.46 | 1.5317 | 0.4450 | 0.5490 | 0.4433 | 0.0171 | 0.0096 | 0.0000 | 0.0027 | 0.0015 | 0.0000 | 0.0000 | 0.225 | 0.447 |
| C3-11 | 53.76 | 25.88 | 10.54 | 8.21 | 0.32 | 0.52 | 0.00 | 0.07 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 99.34 | 1.5330 | 0.4439 | 0.5560 | 0.4386 | 0.0152 | 0.0085 | 0.0000 | 0.0038 | 0.0010 | 0.0000 | 0.0000 | 0.225 | 0.441 |
| C3-12 | 55.36 | 24.53 | 10.80 | 8.05 | 0.28 | 0.41 | 0.02 | 0.05 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 99.55 | 1.5657 | 0.4173 | 0.5650 | 0.4266 | 0.0132 | 0.0066 | 0.0013 | 0.0027 | 0.0015 | 0.0000 | 0.0000 | 0.210 | 0.430 |
| C3-13 | 55.31 | 24.44 | 9.85 | 8.31 | 0.30 | 0.49 | 0.55 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 99.39 | 1.5645 | 0.4158 | 0.5154 | 0.4404 | 0.0141 | 0.0079 | 0.0369 | 0.0027 | 0.0022 | 0.0000 | 0.0000 | 0.210 | 0.461 |
| C3-14 | 55.80 | 23.80 | 10.36 | 8.64 | 0.32 | 0.53 | 0.02 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 99.58 | 1.5711 | 0.4031 | 0.5396 | 0.4558 | 0.0150 | 0.0086 | 0.0013 | 0.0038 | 0.0017 | 0.0000 | 0.0000 | 0.204 | 0.458 |
| C3-15 | 57.78 | 22.74 | 10.57 | 8.60 | 0.29 | 0.50 | 0.00 | 0.06 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 100.59 | 1.6041 | 0.3798 | 0.5428 | 0.4473 | 0.0134 | 0.0080 | 0.0000 | 0.0032 | 0.0015 | 0.0000 | 0.0000 | 0.191 | 0.452 |
| C3-16 | 55.65 | 24.01 | 10.60 | 8.47 | 0.38 | 0.66 | 0.01 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 99.93 | 1.5635 | 0.4058 | 0.5509 | 0.4458 | 0.0178 | 0.0106 | 0.0007 | 0.0027 | 0.0022 | 0.0000 | 0.0000 | 0.206 | 0.447 |
| C3-17 | 54.91 | 24.92 | 10.77 | 8.08 | 0.37 | 0.57 | 0.01 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 99.78 | 1.5524 | 0.4238 | 0.5633 | 0.4280 | 0.0174 | 0.0092 | 0.0007 | 0.0027 | 0.0025 | 0.0000 | 0.0000 | 0.214 | 0.432 |
| C3-18 | 53.93 | 26.15 | 10.50 | 8.23 | 0.38 | 0.65 | 0.00 | 0.06 | 0.12 | 0.00 | 0.00 | 0.11 | 0.00 | 100.13 | 1.5289 | 0.4460 | 0.5507 | 0.4371 | 0.0179 | 0.0106 | 0.0000 | 0.0033 | 0.0030 | 0.0000 | 0.0025 | 0.226 | 0.443 |
| C3-19 | 55.26 | 24.91 | 10.66 | 8.18 | 0.34 | 0.51 | 0.01 | 0.06 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 1.5587 | 0.4227 | 0.5562 | 0.4323 | 0.0160 | 0.0082 | 0.0007 | 0.0033 | 0.0020 | 0.0000 | 0.0000 | 0.213 | 0.437 |
| C3-20 | 56.64 | 23.92 | 10.41 | 8.50 | 0.29 | 0.52 | 0.00 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 100.43 | 1.5852 | 0.4027 | 0.5390 | 0.4457 | 0.0135 | 0.0083 | 0.0000 | 0.0038 | 0.0017 | 0.0000 | 0.0000 | 0.203 | 0.453 |
| C3-21 | 56.48 | 23.19 | 10.40 | 8.48 | 0.31 | 0.44 | 0.01 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 99.45 | 1.5908 | 0.3929 | 0.5419 | 0.4475 | 0.0145 | 0.0071 | 0.0007 | 0.0027 | 0.0020 | 0.0000 | 0.0000 | 0.198 | 0.452 |
| C3-22 | 60.26 | 19.71 | 10.82 | 8.58 | 0.26 | 0.42 | 0.00 | 0.04 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 100.16 | 1.6582 | 0.3263 | 0.5508 | 0.4424 | 0.0119 | 0.0066 | 0.0000 | 0.0021 | 0.0017 | 0.0000 | 0.0000 | 0.164 | 0.445 |
| C3-23 | 52.18 | 27.81 | 10.40 | 8.27 | 0.41 | 0.72 | 0.02 | 0.06 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 100.01 | 1.4905 | 0.4779 | 0.5496 | 0.4426 | 0.0195 | 0.0118 | 0.0014 | 0.0033 | 0.0035 | 0.0000 | 0.0000 | 0.243 | 0.446 |
| C3-24 | 60.66 | 18.60 | 11.01 | 8.27 | 0.36 | 0.76 | 0.00 | 0.04 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 99.77 | 1.6712 | 0.3082 | 0.5611 | 0.4269 | 0.0165 | 0.0120 | 0.0000 | 0.0021 | 0.0019 | 0.0000 | 0.0000 | 0.156 | 0.432 |
| C3-25 | 60.68 | 18.55 | 11.13 | 8.33 | 0.37 | 0.94 | 0.01 | 0.06 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 100.16 | 1.6637 | 0.3059 | 0.5645 | 0.4279 | 0.0169 | 0.0148 | 0.0006 | 0.0032 | 0.0024 | 0.0000 | 0.0000 | 0.155 | 0.431 |
| C3-26 | 61.09 | 18.37 | 11.18 | 8.31 | 0.34 | 0.88 | 0.01 | 0.04 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 100.31 | 1.6715 | 0.3024 | 0.5659 | 0.4260 | 0.0155 | 0.0138 | 0.0006 | 0.0021 | 0.0022 | 0.0000 | 0.0000 | 0.153 | 0.429 |
| C3-27 | 61.39 | 18.24 | 11.12 | 8.41 | 0.37 | 0.89 | 0.01 | 0.03 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 100.54 | 1.6746 | 0.2993 | 0.5611 | 0.4298 | 0.0168 | 0.0139 | 0.0006 | 0.0016 | 0.0022 | 0.0000 | 0.0000 | 0.152 | 0.434 |
| C3-28 | 61.41 | 18.21 | 10.82 | 8.49 | 0.38 | 0.81 | 0.00 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 100.26 | 1.6816 | 0.2999 | 0.5481 | 0.4356 | 0.0173 | 0.0127 | 0.0000 | 0.0026 | 0.0022 | 0.0000 | 0.0000 | 0.151 | 0.443 |
| C3-29 | 61.24 | 18.36 | 10.89 | 8.41 | 0.33 | 0.92 | 0.00 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 100.28 | 1.6789 | 0.3028 | 0.5523 | 0.4320 | 0.0150 | 0.0145 | 0.0000 | 0.0026 | 0.0019 | 0.0000 | 0.0000 | 0.153 | 0.439 |
| C3-30 | 60.94 | 18.40 | 11.25 | 8.31 | 0.32 | 0.65 | 0.00 | 0.04 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 99.97 | 1.6708 | 0.3035 | 0.5706 | 0.4269 | 0.0146 | 0.0102 | 0.0000 | 0.0021 | 0.0015 | 0.0000 | 0.0000 | 0.154 | 0.428 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reboda | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RBD-1-1 | 44.94 | 36.03 | 10.82 | 6.96 | 0.62 | 0.29 | 0.02 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.73 | 1.3342 | 0.6434 | 0.5942 | 0.3871 | 0.0306 | 0.0049 | 0.0014 | 0.0040 | 0.0000 | 0.0000 | 0.0000 | 0.325 | 0.394 |
| RBD-1-2 | 48.41 | 31.70 | 10.59 | 7.49 | 0.74 | 1.03 | 0.02 | 0.06 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 100.10 | 1.4080 | 0.5546 | 0.5698 | 0.4081 | 0.0358 | 0.0172 | 0.0014 | 0.0034 | 0.0018 | 0.0000 | 0.0000 | 0.283 | 0.417 |
| RBD-1-3 | 46.64 | 31.19 | 6.69 | 9.11 | 0.83 | 1.12 | 2.30 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 | 0.12 | 98.04 | 1.3653 | 0.5492 | 0.3623 | 0.4996 | 0.0404 | 0.0188 | 0.1596 | 0.0023 | 0.0008 | 0.0000 | 0.0000 | 0.287 | 0.580 |
| RBD-1-5 | 48.14 | 31.45 | 9.97 | 7.91 | 0.76 | 0.70 | 0.41 | 0.07 | 0.09 | 0.26 | 0.00 | 0.00 | 0.19 | 99.94 | 1.3947 | 0.5481 | 0.5343 | 0.4294 | 0.0366 | 0.0116 | 0.0282 | 0.0039 | 0.0023 | 0.0081 | 0.0000 | 0.282 | 0.446 |
| RBD-1-6 | 47.67 | 31.59 | 10.11 | 7.74 | 0.73 | 0.95 | 0.21 | 0.05 | 0.05 | 0.20 | 0.00 | 0.00 | 0.14 | 99.42 | 1.3944 | 0.5559 | 0.5471 | 0.4242 | 0.0355 | 0.0159 | 0.0146 | 0.0028 | 0.0013 | 0.0063 | 0.0000 | 0.285 | 0.437 |
| RBD-1-8 | 49.11 | 31.37 | 8.72 | 9.50 | 0.60 | 0.60 | 0.04 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 100.02 | 1.4232 | 0.5469 | 0.4675 | 0.5158 | 0.0289 | 0.0100 | 0.0027 | 0.0045 | 0.0005 | 0.0000 | 0.0000 | 0.278 | 0.525 |
| RBD-1-9 | 46.24 | 34.79 | 10.52 | 7.34 | 0.58 | 0.31 | 0.02 | 0.08 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 99.91 | 1.3633 | 0.6170 | 0.5738 | 0.4055 | 0.0284 | 0.0052 | 0.0014 | 0.0045 | 0.0008 | 0.0000 | 0.0000 | 0.312 | 0.414 |
| RBD-1-10 | 48.62 | 32.12 | 11.07 | 7.19 | 0.66 | 0.52 | 0.01 | 0.08 | 0.03 | 0.00 | 0.00 | 0.10 | 0.00 | 100.42 | 1.4083 | 0.5596 | 0.5932 | 0.3902 | 0.0318 | 0.0086 | 0.0007 | 0.0045 | 0.0008 | 0.0000 | 0.0023 | 0.284 | 0.397 |
| RBD-1-11 | 46.41 | 33.87 | 10.80 | 6.94 | 0.61 | 0.50 | 0.14 | 0.07 | 0.02 | 0.00 | 0.00 | 0.12 | 0.00 | 99.47 | 1.3697 | 0.6013 | 0.5896 | 0.3838 | 0.0299 | 0.0085 | 0.0098 | 0.0040 | 0.0005 | 0.0000 | 0.0029 | 0.305 | 0.394 |
| RBD-1-12 | 46.58 | 34.81 | 10.99 | 6.90 | 0.67 | 0.44 | 0.01 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.44 | 1.3665 | 0.6143 | 0.5964 | 0.3792 | 0.0327 | 0.0074 | 0.0007 | 0.0028 | 0.0000 | 0.0000 | 0.0000 | 0.310 | 0.389 |
| RBD-1-14 | 48.76 | 31.81 | 8.77 | 9.42 | 0.65 | 0.89 | 0.04 | 0.07 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 100.40 | 1.4120 | 0.5541 | 0.4698 | 0.5111 | 0.0313 | 0.0148 | 0.0027 | 0.0039 | 0.0003 | 0.0000 | 0.0000 | 0.282 | 0.521 |
| RBD-1-15 | 50.12 | 30.69 | 8.68 | 9.52 | 0.76 | 0.60 | 0.07 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 100.52 | 1.4406 | 0.5306 | 0.4615 | 0.5127 | 0.0363 | 0.0099 | 0.0048 | 0.0033 | 0.0003 | 0.0000 | 0.0000 | 0.269 | 0.526 |
| RBD-1-16 | 50.11 | 30.40 | 9.11 | 9.09 | 0.70 | 0.68 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 100.27 | 1.4447 | 0.5272 | 0.4859 | 0.4910 | 0.0336 | 0.0112 | 0.0000 | 0.0039 | 0.0000 | 0.0000 | 0.0026 | 0.267 | 0.503 |
| RBD-1-17 | 45.66 | 35.33 | 10.90 | 6.79 | 0.59 | 0.42 | 0.01 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 99.79 | 1.3538 | 0.6301 | 0.5978 | 0.3772 | 0.0291 | 0.0071 | 0.0007 | 0.0034 | 0.0008 | 0.0000 | 0.0000 | 0.318 | 0.387 |
| RBD-1-18 | 48.51 | 32.58 | 10.68 | 7.23 | 0.64 | 0.62 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.33 | 1.4134 | 0.5710 | 0.5756 | 0.3947 | 0.0310 | 0.0104 | 0.0000 | 0.0039 | 0.0000 | 0.0000 | 0.0000 | 0.288 | 0.407 |
| RBD-1-19 | 48.48 | 32.25 | 10.32 | 7.48 | 0.61 | 0.63 | 0.02 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 99.88 | 1.4185 | 0.5676 | 0.5586 | 0.4101 | 0.0297 | 0.0106 | 0.0014 | 0.0028 | 0.0008 | 0.0000 | 0.0000 | 0.286 | 0.423 |
| RBD-1-20 | 49.57 | 31.23 | 10.51 | 6.84 | 0.66 | 0.56 | 0.65 | 0.06 | 0.02 | 0.00 | 0.00 | 0.10 | 0.00 | 100.20 | 1.4328 | 0.5430 | 0.5620 | 0.3704 | 0.0317 | 0.0093 | 0.0445 | 0.0033 | 0.0005 | 0.0000 | 0.0023 | 0.275 | 0.397 |
| RBD-2-1 | 45.55 | 35.21 | 11.29 | 6.57 | 0.65 | 0.40 | 0.02 | 0.07 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 99.78 | 1.3471 | 0.6264 | 0.6176 | 0.3640 | 0.0320 | 0.0068 | 0.0014 | 0.0040 | 0.0008 | 0.0000 | 0.0000 | 0.317 | 0.371 |
| RBD-2-2 | 36.94 | 44.35 | 10.62 | 6.55 | 0.69 | 0.31 | 0.00 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 99.56 | 1.1422 | 0.8249 | 0.6074 | 0.3794 | 0.0355 | 0.0055 | 0.0000 | 0.0048 | 0.0003 | 0.0000 | 0.0000 | 0.419 | 0.384 |
| RBD-2-3 | 47.24 | 33.58 | 11.58 | 6.00 | 0.97 | 0.33 | 0.00 | 0.07 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 99.79 | 1.3885 | 0.5937 | 0.6296 | 0.3304 | 0.0474 | 0.0056 | 0.0000 | 0.0040 | 0.0008 | 0.0000 | 0.0000 | 0.300 | 0.344 |
| RBD-2-4 | 47.07 | 32.91 | 12.49 | 5.09 | 0.89 | 0.59 | 0.03 | 0.08 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 99.18 | 1.3902 | 0.5847 | 0.6824 | 0.2816 | 0.0437 | 0.0100 | 0.0021 | 0.0046 | 0.0008 | 0.0000 | 0.0000 | 0.296 | 0.292 |
| RBD-2-5 | 48.65 | 30.68 | 10.49 | 5.68 | 0.73 | 0.56 | 1.53 | 0.06 | 0.02 | 0.00 | 0.00 | 0.15 | 0.12 | 98.67 | 1.4221 | 0.5395 | 0.5673 | 0.3111 | 0.0355 | 0.0094 | 0.1060 | 0.0034 | 0.0005 | 0.0000 | 0.0036 | 0.275 | 0.354 |
| RBD-2-6 | 49.72 | 31.18 | 11.07 | 7.06 | 0.71 | 0.65 | 0.02 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.48 | 1.4354 | 0.5415 | 0.5912 | 0.3819 | 0.0341 | 0.0108 | 0.0014 | 0.0039 | 0.0000 | 0.0000 | 0.0000 | 0.274 | 0.392 |
| RBD-2-7 | 49.44 | 31.72 | 11.24 | 6.92 | 0.71 | 0.76 | 0.01 | 0.07 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 100.90 | 1.4251 | 0.5500 | 0.5993 | 0.3737 | 0.0340 | 0.0126 | 0.0007 | 0.0039 | 0.0008 | 0.0000 | 0.0000 | 0.278 | 0.384 |
| RBD-2-9 | 47.06 | 33.70 | 10.52 | 7.22 | 0.71 | 0.58 | 0.24 | 0.07 | 0.04 | 0.00 | 0.00 | 0.12 | 0.00 | 100.26 | 1.3751 | 0.5923 | 0.5686 | 0.3953 | 0.0345 | 0.0097 | 0.0166 | 0.0039 | 0.0010 | 0.0000 | 0.0028 | 0.301 | 0.410 |
| RBD-2-11 | 47.53 | 32.37 | 10.88 | 6.57 | 0.77 | 0.67 | 0.54 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.39 | 1.3911 | 0.5699 | 0.5891 | 0.3603 | 0.0375 | 0.0112 | 0.0375 | 0.0034 | 0.0000 | 0.0000 | 0.0000 | 0.291 | 0.379 |
| RBD-2-12 | 46.10 | 32.66 | 10.78 | 6.01 | 0.73 | 0.71 | 0.18 | 0.07 | 0.03 | 0.00 | 0.00 | 0.12 | 0.63 | 98.02 | 1.3890 | 0.5920 | 0.6009 | 0.3393 | 0.0366 | 0.0123 | 0.0129 | 0.0041 | 0.0008 | 0.0000 | 0.0029 | 0.299 | 0.361 |
| RBD-2-13 | 47.43 | 32.78 | 11.48 | 6.26 | 0.79 | 0.80 | 0.02 | 0.05 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 99.66 | 1.3939 | 0.5795 | 0.6241 | 0.3447 | 0.0386 | 0.0135 | 0.0014 | 0.0028 | 0.0016 | 0.0000 | 0.0000 | 0.294 | 0.356 |
| RBD-2-14 | 48.42 | 32.11 | 9.41 | 8.53 | 0.49 | 0.76 | 0.03 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 99.83 | 1.4158 | 0.5648 | 0.5090 | 0.4673 | 0.0238 | 0.0127 | 0.0021 | 0.0034 | 0.0010 | 0.0000 | 0.0000 | 0.285 | 0.479 |
| RBD-2-15 | 49.60 | 30.66 | 10.22 | 8.22 | 0.64 | 0.65 | 0.01 | 0.06 | 0.01 | 0.00 | 0.00 | 0.11 | 0.00 | 100.18 | 1.4304 | 0.5319 | 0.5452 | 0.4442 | 0.0307 | 0.0107 | 0.0007 | 0.0033 | 0.0003 | 0.0000 | 0.0026 | 0.271 | 0.449 |
| RBD-2-16 | 46.00 | 35.06 | 11.69 | 5.76 | 0.81 | 0.68 | 0.02 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 100.11 | 1.3604 | 0.6237 | 0.6395 | 0.3192 | 0.0398 | 0.0115 | 0.0014 | 0.0034 | 0.0010 | 0.0000 | 0.0000 | 0.314 | 0.333 |
| RBD-2-17 | 50.08 | 30.79 | 11.02 | 7.24 | 0.63 | 0.54 | 0.01 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.36 | 1.4439 | 0.5340 | 0.5878 | 0.3911 | 0.0302 | 0.0089 | 0.0007 | 0.0033 | 0.0000 | 0.0000 | 0.0000 | 0.270 | 0.400 |
| RBD-2-18 | 47.09 | 33.39 | 11.33 | 6.55 | 0.89 | 0.66 | 0.01 | 0.06 | 0.03 | 0.00 | 0.00 | 0.11 | 0.00 | 100.13 | 1.3780 | 0.5877 | 0.6133 | 0.3591 | 0.0433 | 0.0111 | 0.0007 | 0.0034 | 0.0008 | 0.0000 | 0.0026 | 0.299 | 0.369 |
| RBD-2-19 | 47.67 | 32.04 | 11.07 | 6.93 | 0.76 | 0.45 | 0.04 | 0.07 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 99.14 | 1.3987 | 0.5655 | 0.6008 | 0.3810 | 0.0371 | 0.0076 | 0.0028 | 0.0040 | 0.0000 | 0.0000 | 0.0026 | 0.288 | 0.388 |
| RBD-2-20 | 47.87 | 32.70 | 9.77 | 8.04 | 0.82 | 0.65 | 0.03 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 99.97 | 1.3989 | 0.5748 | 0.5282 | 0.4402 | 0.0399 | 0.0109 | 0.0021 | 0.0045 | 0.0005 | 0.0000 | 0.0000 | 0.291 | 0.455 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Järkvissle | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JAER-2 | 27.83 | 54.99 | 11.61 | 4.61 | 0.55 | 0.18 | 0.00 | 0.12 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 100.20 | 0.9021 | 1.0722 | 0.6961 | 0.2800 | 0.0297 | 0.0033 | 0.0000 | 0.0075 | 0.0091 | 0.0000 | 0.0000 | 0.543 | 0.287 |
| JAER-3 | 27.23 | 55.74 | 11.55 | 4.66 | 0.43 | 0.26 | 0.00 | 0.12 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 100.26 | 0.8860 | 1.0910 | 0.6952 | 0.2841 | 0.0233 | 0.0048 | 0.0000 | 0.0075 | 0.0080 | 0.0000 | 0.0000 | 0.552 | 0.290 |
| JAER-4 | 27.50 | 56.37 | 11.39 | 4.68 | 0.38 | 0.21 | 0.01 | 0.13 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 100.84 | 0.8925 | 1.1004 | 0.6838 | 0.2846 | 0.0205 | 0.0039 | 0.0008 | 0.0081 | 0.0054 | 0.0000 | 0.0000 | 0.552 | 0.294 |
| JAER-5 | 27.00 | 56.73 | 11.51 | 4.64 | 0.28 | 0.05 | 0.00 | 0.12 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 100.54 | 0.8801 | 1.1124 | 0.6941 | 0.2834 | 0.0152 | 0.0009 | 0.0000 | 0.0075 | 0.0063 | 0.0000 | 0.0000 | 0.558 | 0.290 |
| JAER-6 | 26.26 | 57.94 | 11.35 | 4.69 | 0.29 | 0.11 | 0.00 | 0.13 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 100.96 | 0.8576 | 1.1382 | 0.6857 | 0.2870 | 0.0158 | 0.0021 | 0.0000 | 0.0082 | 0.0055 | 0.0000 | 0.0000 | 0.570 | 0.295 |
| JAER-7 | 26.54 | 57.07 | 11.44 | 4.75 | 0.27 | 0.17 | 0.00 | 0.12 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 100.59 | 0.8663 | 1.1205 | 0.6907 | 0.2905 | 0.0147 | 0.0032 | 0.0000 | 0.0075 | 0.0066 | 0.0000 | 0.0000 | 0.564 | 0.296 |
| JAER-8 | 27.02 | 56.67 | 10.65 | 4.54 | 0.32 | 0.13 | 0.81 | 0.11 | 0.14 | 0.00 | 0.00 | 0.12 | 0.00 | 100.51 | 0.8785 | 1.1083 | 0.6405 | 0.2765 | 0.0173 | 0.0024 | 0.0624 | 0.0069 | 0.0040 | 0.0000 | 0.0032 | 0.558 | 0.302 |
| JAER-9 | 34.61 | 48.81 | 12.08 | 4.80 | 0.43 | 0.19 | 0.01 | 0.09 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 101.28 | 1.0753 | 0.9122 | 0.6943 | 0.2794 | 0.0222 | 0.0034 | 0.0007 | 0.0054 | 0.0071 | 0.0000 | 0.0000 | 0.459 | 0.287 |
| JAER-10 | 36.02 | 45.53 | 12.15 | 4.60 | 0.43 | 0.17 | 0.17 | 0.09 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 99.56 | 1.1228 | 0.8537 | 0.7006 | 0.2686 | 0.0223 | 0.0030 | 0.0126 | 0.0054 | 0.0110 | 0.0000 | 0.0000 | 0.432 | 0.277 |
| JAER-11 | 36.52 | 45.20 | 12.10 | 4.68 | 0.44 | 0.20 | 0.00 | 0.09 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 99.63 | 1.1385 | 0.8476 | 0.6978 | 0.2733 | 0.0228 | 0.0036 | 0.0000 | 0.0054 | 0.0110 | 0.0000 | 0.0000 | 0.427 | 0.281 |
| JAER-12 | 36.41 | 45.57 | 12.24 | 4.70 | 0.47 | 0.37 | 0.00 | 0.11 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 100.24 | 1.1281 | 0.8493 | 0.7015 | 0.2728 | 0.0242 | 0.0066 | 0.0000 | 0.0066 | 0.0109 | 0.0000 | 0.0000 | 0.430 | 0.280 |
| JAER-13 | 36.60 | 45.10 | 11.58 | 5.05 | 0.46 | 0.30 | 0.10 | 0.09 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 99.66 | 1.1402 | 0.8452 | 0.6674 | 0.2948 | 0.0238 | 0.0054 | 0.0074 | 0.0054 | 0.0104 | 0.0000 | 0.0000 | 0.426 | 0.306 |
| JAER-14 | 36.18 | 46.22 | 12.12 | 4.59 | 0.45 | 0.39 | 0.01 | 0.11 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 100.44 | 1.1242 | 0.8639 | 0.6967 | 0.2672 | 0.0233 | 0.0069 | 0.0007 | 0.0066 | 0.0104 | 0.0000 | 0.0000 | 0.435 | 0.277 |
| JAER-15 | 35.78 | 45.86 | 11.99 | 4.58 | 0.44 | 0.30 | 0.01 | 0.11 | 0.39 | 0.00 | 0.00 | 0.11 | 0.00 | 99.55 | 1.1216 | 0.8648 | 0.6953 | 0.2690 | 0.0229 | 0.0054 | 0.0007 | 0.0066 | 0.0108 | 0.0000 | 0.0028 | 0.435 | 0.279 |
| JAER-16 | 36.50 | 46.01 | 12.14 | 4.80 | 0.41 | 0.29 | 0.00 | 0.13 | 0.36 | 0.00 | 0.00 | 0.10 | 0.00 | 100.74 | 1.1274 | 0.8549 | 0.6937 | 0.2778 | 0.0211 | 0.0051 | 0.0000 | 0.0077 | 0.0098 | 0.0000 | 0.0025 | 0.431 | 0.286 |
| JAER-17 | 36.00 | 45.59 | 12.25 | 4.68 | 0.42 | 0.24 | 0.00 | 0.11 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 99.69 | 1.1220 | 0.8547 | 0.7063 | 0.2733 | 0.0218 | 0.0043 | 0.0000 | 0.0066 | 0.0110 | 0.0000 | 0.0000 | 0.432 | 0.279 |
| JAER-18 | 36.11 | 45.76 | 12.00 | 4.63 | 0.41 | 0.27 | 0.00 | 0.09 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 99.66 | 1.1300 | 0.8614 | 0.6947 | 0.2715 | 0.0213 | 0.0048 | 0.0000 | 0.0054 | 0.0108 | 0.0000 | 0.0000 | 0.433 | 0.281 |
| JAER-19 | 36.60 | 45.81 | 11.49 | 5.18 | 0.44 | 0.20 | 0.10 | 0.10 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 100.30 | 1.1351 | 0.8547 | 0.6592 | 0.3010 | 0.0227 | 0.0036 | 0.0074 | 0.0060 | 0.0104 | 0.0000 | 0.0000 | 0.430 | 0.313 |
| JAER-20 | 34.60 | 48.24 | 12.08 | 4.70 | 0.42 | 0.23 | 0.00 | 0.12 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 100.84 | 1.0787 | 0.9047 | 0.6967 | 0.2745 | 0.0218 | 0.0041 | 0.0000 | 0.0072 | 0.0124 | 0.0000 | 0.0000 | 0.456 | 0.283 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Broddbo | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BDD-1 | 14.95 | 47.28 | 9.67 | 4.53 | 2.46 | 7.85 | 0.94 | 0.10 | 8.68 | 1.22 | 0.00 | 0.39 | 0.13 | 98.18 | 0.4976 | 0.9466 | 0.5954 | 0.2825 | 0.1362 | 0.1498 | 0.0742 | 0.0064 | 0.2548 | 0.0438 | 0.0105 | 0.655 | 0.322 |
| BDD-2 | 14.95 | 45.03 | 8.67 | 5.83 | 2.37 | 10.15 | 0.63 | 0.10 | 8.92 | 0.61 | 0.00 | 0.47 | 0.13 | 97.85 | 0.5016 | 0.9088 | 0.5381 | 0.3665 | 0.1323 | 0.1952 | 0.0501 | 0.0065 | 0.2640 | 0.0221 | 0.0128 | 0.644 | 0.405 |
| BDD-3 | 15.25 | 46.53 | 9.78 | 4.84 | 2.33 | 9.41 | 0.58 | 0.11 | 7.74 | 0.66 | 0.00 | 0.50 | 0.00 | 97.73 | 0.5129 | 0.9414 | 0.6085 | 0.3050 | 0.1304 | 0.1814 | 0.0462 | 0.0071 | 0.2296 | 0.0239 | 0.0136 | 0.647 | 0.334 |
| BDD-4 | 15.43 | 45.14 | 8.64 | 6.51 | 2.48 | 11.50 | 0.22 | 0.09 | 7.95 | 0.70 | 0.00 | 0.49 | 0.00 | 99.14 | 0.5124 | 0.9017 | 0.5308 | 0.4050 | 0.1370 | 0.2189 | 0.0173 | 0.0058 | 0.2328 | 0.0251 | 0.0132 | 0.638 | 0.433 |
| BDD-5 | 15.05 | 45.22 | 8.20 | 6.70 | 2.45 | 10.64 | 0.68 | 0.09 | 7.98 | 0.65 | 0.00 | 0.50 | 0.00 | 98.15 | 0.5012 | 0.9059 | 0.5052 | 0.4181 | 0.1357 | 0.2031 | 0.0537 | 0.0058 | 0.2344 | 0.0233 | 0.0135 | 0.644 | 0.453 |
| BDD-6 | 14.65 | 45.78 | 9.37 | 6.51 | 2.41 | 10.04 | 0.00 | 0.09 | 8.61 | 0.67 | 0.00 | 0.51 | 0.13 | 98.77 | 0.4859 | 0.9134 | 0.5749 | 0.4045 | 0.1330 | 0.1909 | 0.0000 | 0.0058 | 0.2519 | 0.0240 | 0.0137 | 0.653 | 0.413 |
| BDD-7 | 15.81 | 46.71 | 8.84 | 6.10 | 2.79 | 9.10 | 0.50 | 0.09 | 7.29 | 0.74 | 0.00 | 0.45 | 0.00 | 98.40 | 0.5241 | 0.9314 | 0.5421 | 0.3789 | 0.1538 | 0.1729 | 0.0393 | 0.0058 | 0.2131 | 0.0265 | 0.0121 | 0.640 | 0.411 |
| BDD-8 | 14.81 | 45.53 | 9.26 | 6.51 | 2.32 | 10.13 | 0.00 | 0.10 | 8.65 | 0.65 | 0.00 | 0.42 | 0.00 | 98.38 | 0.4934 | 0.9124 | 0.5706 | 0.4063 | 0.1286 | 0.1935 | 0.0000 | 0.0064 | 0.2542 | 0.0234 | 0.0113 | 0.649 | 0.416 |
| BDD-9 | 14.92 | 45.76 | 9.46 | 5.48 | 2.37 | 10.01 | 0.46 | 0.09 | 8.02 | 1.15 | 0.00 | 0.45 | 0.12 | 98.29 | 0.4979 | 0.9186 | 0.5840 | 0.3426 | 0.1316 | 0.1915 | 0.0364 | 0.0058 | 0.2361 | 0.0414 | 0.0122 | 0.648 | 0.370 |
| BDD-10 | 14.99 | 45.55 | 10.33 | 5.22 | 2.31 | 10.58 | 0.33 | 0.09 | 7.40 | 0.75 | 0.00 | 0.47 | 0.15 | 98.17 | 0.5000 | 0.9140 | 0.6375 | 0.3262 | 0.1282 | 0.2023 | 0.0261 | 0.0058 | 0.2177 | 0.0270 | 0.0127 | 0.646 | 0.339 |
| BDD-11 | 14.56 | 45.13 | 9.12 | 6.10 | 2.42 | 10.27 | 0.60 | 0.08 | 8.40 | 0.75 | 0.00 | 0.44 | 0.00 | 97.88 | 0.4850 | 0.9042 | 0.5619 | 0.3807 | 0.1341 | 0.1961 | 0.0474 | 0.0051 | 0.2468 | 0.0269 | 0.0119 | 0.651 | 0.404 |
| BDD-12 | 14.66 | 44.50 | 9.52 | 5.80 | 2.27 | 11.29 | 0.20 | 0.10 | 8.29 | 1.39 | 0.00 | 0.49 | 0.00 | 98.50 | 0.4885 | 0.8920 | 0.5868 | 0.3621 | 0.1258 | 0.2157 | 0.0158 | 0.0064 | 0.2436 | 0.0500 | 0.0132 | 0.646 | 0.382 |
| BDD-13 | 13.53 | 48.05 | 7.78 | 7.08 | 2.75 | 8.51 | 0.24 | 0.09 | 9.08 | 1.25 | 0.00 | 0.41 | 0.00 | 98.77 | 0.4511 | 0.9637 | 0.4799 | 0.4423 | 0.1525 | 0.1627 | 0.0190 | 0.0058 | 0.2670 | 0.0450 | 0.0111 | 0.681 | 0.480 |
| BDD-14 | 13.77 | 49.38 | 8.40 | 6.49 | 2.69 | 7.11 | 0.00 | 0.11 | 10.13 | 1.00 | 0.00 | 0.36 | 0.00 | 99.45 | 0.4578 | 0.9875 | 0.5166 | 0.4042 | 0.1488 | 0.1355 | 0.0000 | 0.0070 | 0.2970 | 0.0359 | 0.0097 | 0.683 | 0.439 |
| BDD-15 | 14.63 | 49.79 | 8.68 | 6.17 | 2.80 | 6.89 | 0.24 | 0.12 | 9.54 | 1.35 | 0.00 | 0.38 | 0.00 | 100.59 | 0.4782 | 0.9790 | 0.5248 | 0.3778 | 0.1522 | 0.1291 | 0.0186 | 0.0076 | 0.2750 | 0.0476 | 0.0101 | 0.672 | 0.419 |
| BDD-16 | 14.46 | 44.91 | 8.69 | 5.92 | 2.26 | 11.21 | 0.93 | 0.09 | 8.97 | 1.32 | 0.00 | 0.52 | 0.00 | 99.28 | 0.4769 | 0.8910 | 0.5302 | 0.3658 | 0.1240 | 0.2119 | 0.0727 | 0.0057 | 0.2609 | 0.0470 | 0.0139 | 0.651 | 0.408 |
| BDD-18 | 15.02 | 49.38 | 8.30 | 6.82 | 2.87 | 7.19 | 0.00 | 0.11 | 8.95 | 0.94 | 0.00 | 0.34 | 0.00 | 99.91 | 0.4944 | 0.9777 | 0.5054 | 0.4206 | 0.1571 | 0.1357 | 0.0000 | 0.0070 | 0.2598 | 0.0334 | 0.0091 | 0.664 | 0.454 |
| BDD-19 | 13.15 | 46.69 | 9.07 | 6.39 | 2.46 | 11.42 | 0.00 | 0.10 | 9.31 | 1.04 | 0.00 | 0.51 | 0.00 | 100.15 | 0.4356 | 0.9304 | 0.5558 | 0.3966 | 0.1356 | 0.2169 | 0.0000 | 0.0064 | 0.2720 | 0.0372 | 0.0137 | 0.681 | 0.416 |
| BDD-20 | 13.64 | 46.21 | 7.35 | 7.30 | 2.43 | 9.94 | 0.69 | 0.09 | 9.24 | 1.08 | 0.00 | 0.47 | 0.00 | 98.45 | 0.4549 | 0.9270 | 0.4534 | 0.4561 | 0.1348 | 0.1900 | 0.0545 | 0.0058 | 0.2718 | 0.0388 | 0.0127 | 0.671 | 0.501 |
| BDD-21 | 14.00 | 46.17 | 8.70 | 5.86 | 2.40 | 10.39 | 0.61 | 0.10 | 9.40 | 1.13 | 0.00 | 0.48 | 0.00 | 99.24 | 0.4650 | 0.9224 | 0.5345 | 0.3646 | 0.1326 | 0.1978 | 0.0480 | 0.0064 | 0.2753 | 0.0405 | 0.0129 | 0.665 | 0.406 |
| BDD-22 | 14.61 | 47.18 | 9.06 | 6.29 | 2.52 | 9.76 | 0.14 | 0.10 | 8.71 | 1.37 | 0.00 | 0.50 | 0.00 | 100.24 | 0.4795 | 0.9314 | 0.5500 | 0.3868 | 0.1376 | 0.1836 | 0.0109 | 0.0063 | 0.2521 | 0.0485 | 0.0133 | 0.660 | 0.413 |
| BDD-23 | 18.35 | 42.27 | 6.62 | 8.38 | 2.14 | 12.17 | 0.84 | 0.08 | 7.07 | 1.38 | 0.00 | 0.51 | 0.00 | 99.80 | 0.5949 | 0.8243 | 0.3970 | 0.5090 | 0.1154 | 0.2262 | 0.0645 | 0.0050 | 0.2021 | 0.0483 | 0.0134 | 0.581 | 0.562 |
| BDD-24 | 13.81 | 48.67 | 9.18 | 5.89 | 2.64 | 7.66 | 0.05 | 0.07 | 9.96 | 1.25 | 0.00 | 0.34 | 0.00 | 99.52 | 0.4575 | 0.9700 | 0.5626 | 0.3656 | 0.1455 | 0.1455 | 0.0039 | 0.0045 | 0.2910 | 0.0447 | 0.0091 | 0.679 | 0.394 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rosendal | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROS 01-1 | 2.86 | 80.74 | 13.58 | 0.64 | 1.05 | 0.16 | 0.00 | 0.16 | 0.97 | 0.34 | 0.00 | 0.10 | 0.00 | 100.59 | 0.1057 | 1.7944 | 0.9281 | 0.0443 | 0.0645 | 0.0034 | 0.0000 | 0.0114 | 0.0316 | 0.0135 | 0.0030 | 0.944 | 0.046 |
| ROS 01-2 | 2.89 | 80.52 | 13.43 | 0.67 | 1.08 | 0.19 | 0.00 | 0.15 | 1.13 | 0.31 | 0.00 | 0.00 | 0.00 | 100.36 | 0.1071 | 1.7950 | 0.9207 | 0.0465 | 0.0666 | 0.0040 | 0.0000 | 0.0107 | 0.0369 | 0.0124 | 0.0000 | 0.944 | 0.048 |
| ROS 01-3 | 2.75 | 80.36 | 13.50 | 0.70 | 1.14 | 0.15 | 0.01 | 0.16 | 1.21 | 0.43 | 0.00 | 0.00 | 0.00 | 100.40 | 0.1016 | 1.7855 | 0.9224 | 0.0484 | 0.0700 | 0.0032 | 0.0009 | 0.0114 | 0.0394 | 0.0171 | 0.0000 | 0.946 | 0.050 |
| ROS 01-4 | 3.01 | 80.41 | 13.52 | 0.66 | 1.11 | 0.16 | 0.00 | 0.18 | 1.06 | 0.36 | 0.00 | 0.15 | 0.00 | 100.61 | 0.1110 | 1.7836 | 0.9223 | 0.0456 | 0.0681 | 0.0034 | 0.0000 | 0.0128 | 0.0345 | 0.0143 | 0.0045 | 0.941 | 0.047 |
| ROS 01-5 | 2.79 | 80.57 | 13.41 | 0.67 | 1.12 | 0.10 | 0.01 | 0.17 | 1.01 | 0.36 | 0.00 | 0.00 | 0.00 | 100.22 | 0.1035 | 1.7979 | 0.9203 | 0.0466 | 0.0691 | 0.0021 | 0.0009 | 0.0122 | 0.0330 | 0.0144 | 0.0000 | 0.946 | 0.048 |
| ROS 01-6 | 2.91 | 80.49 | 13.55 | 0.74 | 1.11 | 0.11 | 0.00 | 0.17 | 0.93 | 0.26 | 0.00 | 0.00 | 0.00 | 100.26 | 0.1076 | 1.7906 | 0.9270 | 0.0513 | 0.0683 | 0.0023 | 0.0000 | 0.0121 | 0.0303 | 0.0104 | 0.0000 | 0.943 | 0.052 |
| ROS 01-7 | 2.79 | 80.87 | 13.39 | 0.72 | 1.13 | 0.09 | 0.00 | 0.18 | 0.92 | 0.34 | 0.00 | 0.00 | 0.00 | 100.41 | 0.1033 | 1.8015 | 0.9173 | 0.0500 | 0.0696 | 0.0019 | 0.0000 | 0.0128 | 0.0300 | 0.0136 | 0.0000 | 0.946 | 0.052 |
| ROS 01-8 | 2.70 | 80.87 | 13.44 | 0.70 | 1.19 | 0.24 | 0.00 | 0.16 | 0.91 | 0.23 | 0.00 | 0.00 | 0.00 | 100.45 | 0.1000 | 1.8018 | 0.9209 | 0.0486 | 0.0733 | 0.0051 | 0.0000 | 0.0114 | 0.0297 | 0.0092 | 0.0000 | 0.947 | 0.050 |
| ROS 01-9 | 2.88 | 80.61 | 13.43 | 0.67 | 1.15 | 0.06 | 0.00 | 0.18 | 1.04 | 0.26 | 0.00 | 0.12 | 0.00 | 100.39 | 0.1066 | 1.7946 | 0.9195 | 0.0465 | 0.0708 | 0.0013 | 0.0000 | 0.0128 | 0.0339 | 0.0104 | 0.0036 | 0.944 | 0.048 |
| ROS 01-10 | 2.87 | 80.59 | 13.32 | 0.71 | 1.04 | 0.18 | 0.00 | 0.16 | 0.93 | 0.30 | 0.00 | 0.00 | 0.00 | 100.10 | 0.1068 | 1.8043 | 0.9171 | 0.0495 | 0.0644 | 0.0038 | 0.0000 | 0.0115 | 0.0305 | 0.0120 | 0.0000 | 0.944 | 0.051 |
| ROS 01-11 | 2.89 | 80.52 | 13.35 | 0.75 | 1.03 | 0.14 | 0.00 | 0.13 | 0.80 | 0.26 | 0.00 | 0.11 | 0.00 | 99.99 | 0.1076 | 1.8040 | 0.9198 | 0.0523 | 0.0638 | 0.0030 | 0.0000 | 0.0093 | 0.0263 | 0.0104 | 0.0033 | 0.944 | 0.054 |
| ROS 01-12 | 2.81 | 80.70 | 13.43 | 0.70 | 1.00 | 0.10 | 0.01 | 0.17 | 0.89 | 0.34 | 0.00 | 0.00 | 0.00 | 100.16 | 0.1044 | 1.8039 | 0.9232 | 0.0487 | 0.0618 | 0.0021 | 0.0009 | 0.0122 | 0.0292 | 0.0136 | 0.0000 | 0.945 | 0.050 |
| ROS 01-13 | 2.70 | 80.87 | 13.42 | 0.73 | 0.98 | 0.09 | 0.00 | 0.16 | 0.90 | 0.39 | 0.00 | 0.16 | 0.00 | 100.41 | 0.1002 | 1.8045 | 0.9209 | 0.0507 | 0.0605 | 0.0019 | 0.0000 | 0.0114 | 0.0294 | 0.0156 | 0.0048 | 0.947 | 0.052 |
| ROS 01-14 | 2.85 | 80.54 | 13.34 | 0.77 | 0.99 | 0.09 | 0.00 | 0.16 | 0.84 | 0.34 | 0.00 | 0.12 | 0.00 | 100.03 | 0.1060 | 1.8026 | 0.9182 | 0.0537 | 0.0613 | 0.0019 | 0.0000 | 0.0115 | 0.0276 | 0.0136 | 0.0036 | 0.944 | 0.055 |
| ROS 01-15 | 2.82 | 81.30 | 13.36 | 0.74 | 1.01 | 0.12 | 0.00 | 0.18 | 0.84 | 0.35 | 0.00 | 0.00 | 0.00 | 100.73 | 0.1044 | 1.8104 | 0.9149 | 0.0513 | 0.0622 | 0.0025 | 0.0000 | 0.0128 | 0.0274 | 0.0140 | 0.0000 | 0.945 | 0.053 |
| ROS 01-16 | 2.75 | 80.79 | 13.35 | 0.76 | 0.96 | 0.03 | 0.00 | 0.16 | 0.79 | 0.39 | 0.00 | 0.00 | 0.00 | 99.98 | 0.1025 | 1.8109 | 0.9203 | 0.0531 | 0.0595 | 0.0006 | 0.0000 | 0.0115 | 0.0260 | 0.0157 | 0.0000 | 0.946 | 0.055 |
| ROS 01-17 | 2.71 | 80.59 | 13.42 | 0.80 | 0.99 | 0.15 | 0.00 | 0.15 | 0.83 | 0.32 | 0.00 | 0.00 | 0.00 | 99.96 | 0.1009 | 1.8041 | 0.9239 | 0.0558 | 0.0613 | 0.0032 | 0.0000 | 0.0108 | 0.0272 | 0.0128 | 0.0000 | 0.947 | 0.057 |
| ROS 01-18 | 2.89 | 81.07 | 13.28 | 0.71 | 1.03 | 0.16 | 0.00 | 0.16 | 0.87 | 0.36 | 0.00 | 0.00 | 0.00 | 100.53 | 0.1073 | 1.8101 | 0.9119 | 0.0494 | 0.0636 | 0.0034 | 0.0000 | 0.0114 | 0.0285 | 0.0144 | 0.0000 | 0.944 | 0.051 |
| ROS 01-19 | 2.69 | 80.87 | 13.45 | 0.75 | 1.01 | 0.22 | 0.01 | 0.17 | 0.85 | 0.38 | 0.00 | 0.00 | 0.00 | 100.40 | 0.0997 | 1.8031 | 0.9222 | 0.0521 | 0.0623 | 0.0047 | 0.0009 | 0.0121 | 0.0278 | 0.0152 | 0.0000 | 0.948 | 0.053 |
| ROS 01-20 | 2.69 | 80.79 | 13.38 | 0.70 | 1.08 | 0.08 | 0.00 | 0.15 | 1.01 | 0.35 | 0.00 | 0.00 | 0.00 | 100.23 | 0.0999 | 1.8055 | 0.9195 | 0.0487 | 0.0667 | 0.0017 | 0.0000 | 0.0107 | 0.0331 | 0.0140 | 0.0000 | 0.948 | 0.050 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skogsböle | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KIM-1 | 2.75 | 80.94 | 12.57 | 1.51 | 0.32 | 0.04 | 0.00 | 0.15 | 1.09 | 0.26 | 0.00 | 0.10 | 0.00 | 99.73 | 0.1035 | 1.8330 | 0.8754 | 0.1065 | 0.0200 | 0.0009 | 0.0000 | 0.0109 | 0.0362 | 0.0106 | 0.0031 | 0.947 | 0.108 |
| KIM-2 | 2.74 | 81.23 | 12.54 | 1.49 | 0.37 | 0.02 | 0.00 | 0.16 | 1.11 | 0.23 | 0.00 | 0.14 | 0.00 | 100.02 | 0.1029 | 1.8354 | 0.8713 | 0.1049 | 0.0231 | 0.0004 | 0.0000 | 0.0116 | 0.0368 | 0.0093 | 0.0043 | 0.947 | 0.107 |
| KIM-3 | 2.79 | 81.52 | 12.42 | 1.44 | 0.33 | 0.11 | 0.00 | 0.17 | 1.14 | 0.23 | 0.00 | 0.00 | 0.00 | 100.14 | 0.1050 | 1.8460 | 0.8649 | 0.1016 | 0.0207 | 0.0024 | 0.0000 | 0.0123 | 0.0379 | 0.0093 | 0.0000 | 0.946 | 0.105 |
| KIM-4 | 2.73 | 81.33 | 12.54 | 1.47 | 0.33 | 0.16 | 0.01 | 0.14 | 1.03 | 0.19 | 0.00 | 0.13 | 0.00 | 100.06 | 0.1027 | 1.8402 | 0.8725 | 0.1036 | 0.0206 | 0.0034 | 0.0009 | 0.0101 | 0.0342 | 0.0077 | 0.0040 | 0.947 | 0.106 |
| KIM-5 | 2.97 | 80.83 | 12.63 | 1.47 | 0.33 | 0.11 | 0.00 | 0.17 | 1.13 | 0.24 | 0.00 | 0.11 | 0.00 | 100.00 | 0.1114 | 1.8235 | 0.8762 | 0.1033 | 0.0206 | 0.0024 | 0.0000 | 0.0123 | 0.0374 | 0.0097 | 0.0033 | 0.942 | 0.105 |
| KIM-6 | 2.86 | 81.22 | 12.63 | 1.48 | 0.32 | 0.13 | 0.00 | 0.16 | 1.09 | 0.22 | 0.00 | 0.10 | 0.00 | 100.21 | 0.1072 | 1.8310 | 0.8756 | 0.1039 | 0.0199 | 0.0028 | 0.0000 | 0.0116 | 0.0360 | 0.0089 | 0.0030 | 0.945 | 0.106 |
| KIM-7 | 2.81 | 81.51 | 12.56 | 1.44 | 0.35 | 0.14 | 0.00 | 0.15 | 1.10 | 0.28 | 0.00 | 0.00 | 0.00 | 100.34 | 0.1054 | 1.8387 | 0.8713 | 0.1012 | 0.0218 | 0.0030 | 0.0000 | 0.0108 | 0.0364 | 0.0113 | 0.0000 | 0.946 | 0.104 |
| KIM-8 | 2.75 | 81.33 | 12.65 | 1.46 | 0.35 | 0.06 | 0.00 | 0.18 | 1.11 | 0.26 | 0.00 | 0.15 | 0.00 | 100.29 | 0.1029 | 1.8311 | 0.8759 | 0.1024 | 0.0218 | 0.0013 | 0.0000 | 0.0130 | 0.0366 | 0.0105 | 0.0045 | 0.947 | 0.105 |
| KIM-9 | 2.76 | 81.83 | 12.62 | 1.48 | 0.33 | 0.14 | 0.00 | 0.17 | 1.03 | 0.25 | 0.00 | 0.10 | 0.00 | 100.70 | 0.1031 | 1.8386 | 0.8720 | 0.1036 | 0.0205 | 0.0030 | 0.0000 | 0.0122 | 0.0339 | 0.0101 | 0.0030 | 0.947 | 0.106 |
| KIM-10 | 2.78 | 81.60 | 12.74 | 1.38 | 0.34 | 0.15 | 0.00 | 0.16 | 1.20 | 0.25 | 0.00 | 0.00 | 0.00 | 100.59 | 0.1039 | 1.8337 | 0.8804 | 0.0966 | 0.0211 | 0.0032 | 0.0000 | 0.0115 | 0.0395 | 0.0101 | 0.0000 | 0.946 | 0.099 |
| KIM-11 | 2.86 | 81.56 | 12.50 | 1.46 | 0.38 | 0.14 | 0.00 | 0.15 | 1.15 | 0.24 | 0.00 | 0.19 | 0.00 | 100.62 | 0.1070 | 1.8350 | 0.8649 | 0.1023 | 0.0236 | 0.0030 | 0.0000 | 0.0108 | 0.0379 | 0.0097 | 0.0058 | 0.945 | 0.106 |
| KIM-12 | 2.53 | 81.55 | 12.45 | 1.50 | 0.41 | 0.00 | 0.00 | 0.17 | 1.02 | 0.17 | 0.00 | 0.11 | 0.00 | 99.91 | 0.0953 | 1.8486 | 0.8679 | 0.1059 | 0.0257 | 0.0000 | 0.0000 | 0.0123 | 0.0339 | 0.0069 | 0.0034 | 0.951 | 0.109 |
| KIM-13 | 2.80 | 81.43 | 12.58 | 1.39 | 0.40 | 0.08 | 0.00 | 0.17 | 1.18 | 0.22 | 0.00 | 0.11 | 0.00 | 100.36 | 0.1049 | 1.8354 | 0.8720 | 0.0976 | 0.0249 | 0.0017 | 0.0000 | 0.0123 | 0.0390 | 0.0089 | 0.0033 | 0.946 | 0.101 |
| KIM-14 | 2.94 | 81.50 | 12.53 | 1.44 | 0.37 | 0.16 | 0.00 | 0.17 | 1.15 | 0.23 | 0.00 | 0.10 | 0.00 | 100.59 | 0.1099 | 1.8334 | 0.8668 | 0.1009 | 0.0230 | 0.0034 | 0.0000 | 0.0123 | 0.0379 | 0.0093 | 0.0030 | 0.943 | 0.104 |
| KIM-15 | 2.74 | 81.07 | 12.50 | 1.49 | 0.37 | 0.07 | 0.00 | 0.18 | 1.17 | 0.29 | 0.00 | 0.00 | 0.00 | 99.88 | 0.1030 | 1.8340 | 0.8696 | 0.1050 | 0.0231 | 0.0015 | 0.0000 | 0.0130 | 0.0388 | 0.0118 | 0.0000 | 0.947 | 0.108 |
| KIM-16 | 2.76 | 81.14 | 12.52 | 1.39 | 0.38 | 0.11 | 0.00 | 0.15 | 1.17 | 0.23 | 0.00 | 0.00 | 0.00 | 99.84 | 0.1040 | 1.8396 | 0.8729 | 0.0982 | 0.0238 | 0.0024 | 0.0000 | 0.0109 | 0.0389 | 0.0094 | 0.0000 | 0.946 | 0.101 |
| KIM-17 | 2.72 | 81.21 | 12.51 | 1.34 | 0.37 | 0.23 | 0.00 | 0.16 | 1.23 | 0.20 | 0.00 | 0.15 | 0.00 | 100.12 | 0.1024 | 1.8388 | 0.8711 | 0.0945 | 0.0232 | 0.0050 | 0.0000 | 0.0116 | 0.0408 | 0.0081 | 0.0046 | 0.947 | 0.098 |
| KIM-18 | 2.78 | 81.49 | 12.37 | 1.48 | 0.37 | 0.12 | 0.01 | 0.16 | 1.21 | 0.29 | 0.00 | 0.00 | 0.00 | 100.28 | 0.1044 | 1.8416 | 0.8597 | 0.1042 | 0.0231 | 0.0026 | 0.0009 | 0.0116 | 0.0401 | 0.0118 | 0.0000 | 0.946 | 0.108 |
| KIM-19 | 2.64 | 81.79 | 12.60 | 1.47 | 0.37 | 0.06 | 0.00 | 0.18 | 1.16 | 0.17 | 0.00 | 0.11 | 0.00 | 100.54 | 0.0988 | 1.8405 | 0.8719 | 0.1030 | 0.0230 | 0.0013 | 0.0000 | 0.0130 | 0.0383 | 0.0069 | 0.0033 | 0.949 | 0.106 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kolsva | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KSV-1 | 64.18 | 12.01 | 16.44 | 3.70 | 1.32 | 2.04 | 0.01 | 0.02 | 0.03 | 0.00 | 0.11 | 0.00 | 0.00 | 99.87 | 1.7140 | 0.1929 | 0.8122 | 0.1851 | 0.0586 | 0.0312 | 0.0006 | 0.0010 | 0.0007 | 0.0000 | 0.0035 | 0.101 | 0.186 |
| KSV-2 | 63.78 | 12.29 | 15.23 | 4.60 | 1.30 | 2.13 | 0.02 | 0.02 | 0.06 | 0.00 | 0.09 | 0.13 | 0.00 | 99.65 | 1.7130 | 0.1986 | 0.7567 | 0.2315 | 0.0581 | 0.0328 | 0.0013 | 0.0010 | 0.0014 | 0.0000 | 0.0057 | 0.104 | 0.234 |
| KSV-3 | 63.75 | 12.62 | 14.77 | 4.95 | 1.27 | 1.71 | 0.00 | 0.03 | 0.04 | 0.00 | 0.14 | 0.11 | 0.00 | 99.39 | 1.7171 | 0.2045 | 0.7359 | 0.2498 | 0.0569 | 0.0264 | 0.0000 | 0.0016 | 0.0010 | 0.0000 | 0.0068 | 0.106 | 0.253 |
| KSV-4 | 63.97 | 12.84 | 14.90 | 4.97 | 1.28 | 1.68 | 0.03 | 0.04 | 0.01 | 0.00 | 0.14 | 0.16 | 0.00 | 100.02 | 1.7118 | 0.2067 | 0.7376 | 0.2492 | 0.0570 | 0.0258 | 0.0019 | 0.0021 | 0.0002 | 0.0000 | 0.0079 | 0.108 | 0.253 |
| KSV-5 | 63.91 | 12.57 | 15.08 | 4.74 | 1.23 | 1.87 | 0.01 | 0.04 | 0.05 | 0.00 | 0.15 | 0.10 | 0.00 | 99.75 | 1.7154 | 0.2030 | 0.7488 | 0.2384 | 0.0549 | 0.0288 | 0.0006 | 0.0021 | 0.0012 | 0.0000 | 0.0069 | 0.106 | 0.241 |
| KSV-6 | 63.65 | 12.91 | 15.32 | 4.51 | 1.25 | 1.82 | 0.02 | 0.02 | 0.04 | 0.00 | 0.14 | 0.00 | 0.00 | 99.67 | 1.7108 | 0.2087 | 0.7617 | 0.2271 | 0.0559 | 0.0280 | 0.0013 | 0.0010 | 0.0009 | 0.0000 | 0.0044 | 0.109 | 0.230 |
| KSV-7 | 64.28 | 12.52 | 15.35 | 4.43 | 1.26 | 1.69 | 0.01 | 0.06 | 0.03 | 0.00 | 0.11 | 0.00 | 0.00 | 99.74 | 1.7238 | 0.2020 | 0.7615 | 0.2226 | 0.0562 | 0.0260 | 0.0006 | 0.0031 | 0.0007 | 0.0000 | 0.0035 | 0.105 | 0.226 |
| KSV-8 | 64.17 | 12.78 | 15.16 | 4.69 | 1.31 | 1.86 | 0.01 | 0.03 | 0.04 | 0.00 | 0.12 | 0.00 | 0.00 | 100.17 | 1.7159 | 0.2056 | 0.7499 | 0.2350 | 0.0583 | 0.0285 | 0.0006 | 0.0015 | 0.0009 | 0.0000 | 0.0038 | 0.107 | 0.239 |
| KSV-9 | 64.48 | 12.67 | 14.90 | 4.84 | 1.20 | 1.74 | 0.05 | 0.04 | 0.02 | 0.00 | 0.07 | 0.00 | 0.00 | 100.00 | 1.7268 | 0.2041 | 0.7382 | 0.2428 | 0.0535 | 0.0267 | 0.0032 | 0.0021 | 0.0005 | 0.0000 | 0.0022 | 0.106 | 0.248 |
| KSV-10 | 64.25 | 12.72 | 14.95 | 4.93 | 1.30 | 1.71 | 0.02 | 0.04 | 0.03 | 0.00 | 0.11 | 0.10 | 0.00 | 100.17 | 1.7164 | 0.2044 | 0.7388 | 0.2468 | 0.0578 | 0.0262 | 0.0013 | 0.0021 | 0.0007 | 0.0000 | 0.0056 | 0.106 | 0.250 |
| KSV-11 | 64.15 | 12.45 | 14.72 | 5.23 | 1.25 | 1.66 | 0.01 | 0.03 | 0.05 | 0.00 | 0.12 | 0.00 | 0.00 | 99.67 | 1.7188 | 0.2007 | 0.7296 | 0.2625 | 0.0557 | 0.0255 | 0.0006 | 0.0015 | 0.0012 | 0.0000 | 0.0038 | 0.105 | 0.265 |
| KSV-12 | 64.40 | 12.67 | 14.48 | 5.44 | 1.27 | 1.76 | 0.01 | 0.04 | 0.05 | 0.00 | 0.13 | 0.00 | 0.00 | 100.25 | 1.7186 | 0.2034 | 0.7148 | 0.2720 | 0.0564 | 0.0269 | 0.0006 | 0.0021 | 0.0012 | 0.0000 | 0.0041 | 0.106 | 0.276 |
| KSV-13 | 63.97 | 12.72 | 14.21 | 5.70 | 1.21 | 1.76 | 0.03 | 0.03 | 0.06 | 0.00 | 0.10 | 0.00 | 0.00 | 99.78 | 1.7149 | 0.2051 | 0.7047 | 0.2863 | 0.0540 | 0.0270 | 0.0019 | 0.0016 | 0.0014 | 0.0000 | 0.0032 | 0.107 | 0.289 |
| KSV-14 | 64.14 | 12.74 | 14.38 | 5.68 | 1.18 | 1.56 | 0.01 | 0.04 | 0.07 | 0.00 | 0.13 | 0.00 | 0.00 | 99.93 | 1.7147 | 0.2049 | 0.7111 | 0.2845 | 0.0525 | 0.0239 | 0.0006 | 0.0021 | 0.0017 | 0.0000 | 0.0041 | 0.107 | 0.286 |
| KSV-15 | 64.33 | 12.54 | 14.45 | 5.49 | 1.24 | 1.76 | 0.00 | 0.04 | 0.03 | 0.00 | 0.13 | 0.10 | 0.00 | 100.10 | 1.7185 | 0.2015 | 0.7141 | 0.2748 | 0.0551 | 0.0270 | 0.0000 | 0.0021 | 0.0007 | 0.0000 | 0.0063 | 0.105 | 0.278 |
| KSV-16 | 63.40 | 12.37 | 14.05 | 5.73 | 1.20 | 1.72 | 0.02 | 0.03 | 0.02 | 0.00 | 0.16 | 0.00 | 0.00 | 98.69 | 1.7157 | 0.2014 | 0.7033 | 0.2905 | 0.0540 | 0.0267 | 0.0013 | 0.0016 | 0.0005 | 0.0000 | 0.0051 | 0.105 | 0.292 |
| KSV-17 | 64.46 | 12.47 | 13.73 | 6.04 | 1.21 | 1.47 | 0.00 | 0.04 | 0.04 | 0.00 | 0.14 | 0.10 | 0.00 | 99.68 | 1.7283 | 0.2011 | 0.6810 | 0.3034 | 0.0540 | 0.0226 | 0.0000 | 0.0021 | 0.0009 | 0.0000 | 0.0066 | 0.104 | 0.308 |
| KSV-18 | 64.68 | 12.46 | 13.57 | 6.21 | 1.15 | 1.55 | 0.01 | 0.04 | 0.00 | 0.00 | 0.13 | 0.11 | 0.00 | 99.91 | 1.7316 | 0.2007 | 0.6721 | 0.3115 | 0.0512 | 0.0238 | 0.0006 | 0.0021 | 0.0000 | 0.0000 | 0.0065 | 0.104 | 0.317 |
| KSV-20 | 64.51 | 12.39 | 14.10 | 5.66 | 1.19 | 1.52 | 0.01 | 0.05 | 0.04 | 0.00 | 0.15 | 0.00 | 0.00 | 99.61 | 1.7305 | 0.1999 | 0.6997 | 0.2845 | 0.0531 | 0.0234 | 0.0006 | 0.0026 | 0.0009 | 0.0000 | 0.0047 | 0.104 | 0.289 |
| KSV-21 | 64.22 | 11.89 | 14.18 | 4.66 | 1.28 | 1.69 | 0.76 | 0.05 | 0.05 | 0.00 | 0.28 | 0.00 | 0.00 | 99.06 | 1.7247 | 0.1921 | 0.7045 | 0.2345 | 0.0572 | 0.0260 | 0.0484 | 0.0026 | 0.0012 | 0.0000 | 0.0089 | 0.100 | 0.250 |
| KSV-22 | 64.88 | 11.89 | 15.30 | 4.89 | 1.32 | 1.72 | 0.03 | 0.02 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 100.15 | 1.7239 | 0.1900 | 0.7520 | 0.2434 | 0.0583 | 0.0262 | 0.0019 | 0.0010 | 0.0000 | 0.0000 | 0.0031 | 0.099 | 0.245 |
| KSV-23 | 64.80 | 12.00 | 15.06 | 5.05 | 1.38 | 1.77 | 0.03 | 0.04 | 0.03 | 0.00 | 0.08 | 0.10 | 0.00 | 100.34 | 1.7204 | 0.1916 | 0.7396 | 0.2512 | 0.0609 | 0.0269 | 0.0019 | 0.0020 | 0.0007 | 0.0000 | 0.0047 | 0.100 | 0.254 |
| KSV-24 | 64.94 | 12.06 | 14.89 | 5.20 | 1.35 | 1.80 | 0.00 | 0.03 | 0.03 | 0.00 | 0.09 | 0.12 | 0.00 | 100.52 | 1.7234 | 0.1925 | 0.7310 | 0.2585 | 0.0596 | 0.0274 | 0.0000 | 0.0015 | 0.0007 | 0.0000 | 0.0054 | 0.100 | 0.261 |
| KSV-25 | 64.48 | 12.00 | 14.88 | 5.24 | 1.36 | 1.77 | 0.00 | 0.05 | 0.06 | 0.00 | 0.09 | 0.12 | 0.00 | 100.05 | 1.7168 | 0.1922 | 0.7329 | 0.2614 | 0.0602 | 0.0270 | 0.0000 | 0.0026 | 0.0014 | 0.0000 | 0.0054 | 0.101 | 0.263 |
| KSV-27 | 63.58 | 12.37 | 14.88 | 5.08 | 1.37 | 1.93 | 0.02 | 0.05 | 0.06 | 0.00 | 0.14 | 0.11 | 0.00 | 99.58 | 1.7045 | 0.1995 | 0.7380 | 0.2552 | 0.0611 | 0.0297 | 0.0013 | 0.0026 | 0.0014 | 0.0000 | 0.0068 | 0.105 | 0.257 |
| KSV-28 | 63.63 | 12.61 | 14.78 | 5.05 | 1.35 | 1.90 | 0.01 | 0.04 | 0.04 | 0.00 | 0.11 | 0.00 | 0.00 | 99.51 | 1.7102 | 0.2039 | 0.7349 | 0.2543 | 0.0604 | 0.0293 | 0.0006 | 0.0021 | 0.0009 | 0.0000 | 0.0035 | 0.107 | 0.257 |
| KSV-29 | 63.99 | 12.61 | 14.66 | 5.17 | 1.31 | 1.90 | 0.01 | 0.04 | 0.06 | 0.00 | 0.14 | 0.10 | 0.00 | 99.98 | 1.7133 | 0.2031 | 0.7261 | 0.2593 | 0.0583 | 0.0292 | 0.0006 | 0.0021 | 0.0014 | 0.0000 | 0.0066 | 0.106 | 0.263 |
| KSV-30 | 63.81 | 12.30 | 14.74 | 5.24 | 1.30 | 1.83 | 0.01 | 0.05 | 0.04 | 0.00 | 0.16 | 0.00 | 0.00 | 99.50 | 1.7115 | 0.1985 | 0.7314 | 0.2633 | 0.0580 | 0.0281 | 0.0006 | 0.0026 | 0.0009 | 0.0000 | 0.0051 | 0.104 | 0.265 |
| KSV 500-K1-1 | 63.55 | 12.57 | 13.39 | 1.44 | 6.37 | 1.90 | 0.01 | 0.04 | 0.09 | 0.00 |  | 0.00 | 0.00 | 99.34 | 1.7262 | 0.2054 | 0.6728 | 0.0733 | 0.2878 | 0.0296 | 0.0006 | 0.0021 | 0.0022 | 0.0000 | 0.0000 | 0.106 | 0.098 |
| KSV 500-K1-2 | 64.33 | 12.55 | 13.49 | 1.40 | 6.21 | 2.32 | 0.15 | 0.02 | 0.06 | 0.00 |  | 0.01 | 0.00 | 100.54 | 1.7297 | 0.2030 | 0.6710 | 0.0705 | 0.2778 | 0.0358 | 0.0096 | 0.0010 | 0.0014 | 0.0000 | 0.0002 | 0.105 | 0.095 |
| KSV 500-K1-3 | 64.10 | 12.53 | 13.39 | 1.51 | 6.29 | 2.13 | 0.01 | 0.04 | 0.04 | 0.00 |  | 0.00 | 0.00 | 100.04 | 1.7316 | 0.2036 | 0.6691 | 0.0764 | 0.2826 | 0.0330 | 0.0006 | 0.0021 | 0.0010 | 0.0000 | 0.0000 | 0.105 | 0.103 |
| KSV 500-K1-4 | 64.10 | 12.91 | 13.42 | 1.54 | 6.32 | 2.05 | 0.07 | 0.04 | 0.07 | 0.00 |  | 0.00 | 0.00 | 100.53 | 1.7236 | 0.2088 | 0.6675 | 0.0776 | 0.2827 | 0.0316 | 0.0045 | 0.0021 | 0.0017 | 0.0000 | 0.0000 | 0.108 | 0.104 |
| KSV 500-K1-5 | 65.12 | 13.10 | 14.69 | 1.16 | 5.15 | 1.73 | 0.06 | 0.07 | 0.07 | 0.00 |  | 0.00 | 0.00 | 101.14 | 1.7405 | 0.2106 | 0.7263 | 0.0581 | 0.2290 | 0.0265 | 0.0038 | 0.0036 | 0.0017 | 0.0000 | 0.0000 | 0.108 | 0.074 |
| KSV 500-K1-6 | 64.58 | 12.69 | 14.05 | 1.50 | 5.54 | 1.80 | 0.28 | 0.04 | 0.02 | 0.00 |  | 0.00 | 0.14 | 100.63 | 1.7284 | 0.2043 | 0.6956 | 0.0752 | 0.2466 | 0.0276 | 0.0178 | 0.0021 | 0.0005 | 0.0000 | 0.0000 | 0.106 | 0.098 |
| KSV 500-K1-7 | 64.38 | 12.81 | 13.45 | 1.52 | 6.35 | 2.00 | 0.01 | 0.02 | 0.07 | 0.00 |  | 0.00 | 0.00 | 100.60 | 1.7299 | 0.2071 | 0.6686 | 0.0765 | 0.2838 | 0.0308 | 0.0006 | 0.0010 | 0.0017 | 0.0000 | 0.0000 | 0.107 | 0.103 |
| KSV 500-K1-8 | 64.29 | 12.70 | 13.60 | 1.44 | 6.23 | 2.23 | 0.00 | 0.04 | 0.04 | 0.00 |  | 0.00 | 0.00 | 100.56 | 1.7292 | 0.2055 | 0.6767 | 0.0726 | 0.2787 | 0.0344 | 0.0000 | 0.0021 | 0.0009 | 0.0000 | 0.0000 | 0.106 | 0.097 |
| KSV 500-K1-9 | 64.39 | 12.47 | 13.09 | 1.51 | 6.05 | 2.09 | 0.02 | 0.04 | 0.08 | 0.00 |  | 0.00 | 0.00 | 99.72 | 1.7499 | 0.2039 | 0.6581 | 0.0769 | 0.2735 | 0.0326 | 0.0013 | 0.0021 | 0.0019 | 0.0000 | 0.0000 | 0.104 | 0.105 |
| KSV 500-K1-10 | 64.32 | 12.70 | 13.33 | 1.53 | 6.38 | 2.00 | 0.25 | 0.03 | 0.06 | 0.00 |  | 0.00 | 0.00 | 100.60 | 1.7237 | 0.2047 | 0.6608 | 0.0768 | 0.2844 | 0.0307 | 0.0159 | 0.0015 | 0.0014 | 0.0000 | 0.0000 | 0.106 | 0.104 |
| KSV 500-K1-11 | 64.44 | 12.89 | 14.06 | 1.45 | 5.91 | 2.00 | 0.00 | 0.04 | 0.06 | 0.00 |  | 0.00 | 0.00 | 100.84 | 1.7257 | 0.2076 | 0.6965 | 0.0728 | 0.2633 | 0.0307 | 0.0000 | 0.0021 | 0.0014 | 0.0000 | 0.0000 | 0.107 | 0.095 |
| KSV 500-K1-12 | 64.35 | 12.62 | 13.49 | 1.50 | 6.45 | 2.06 | 0.02 | 0.05 | 0.07 | 0.00 |  | 0.00 | 0.00 | 100.61 | 1.7264 | 0.2037 | 0.6695 | 0.0754 | 0.2878 | 0.0317 | 0.0013 | 0.0026 | 0.0017 | 0.0000 | 0.0000 | 0.106 | 0.101 |
| KSV 500-K1-13 | 64.42 | 12.64 | 13.48 | 1.51 | 6.31 | 2.03 | 0.02 | 0.04 | 0.04 | 0.00 |  | 0.00 | 0.00 | 100.49 | 1.7316 | 0.2044 | 0.6703 | 0.0760 | 0.2821 | 0.0313 | 0.0013 | 0.0021 | 0.0009 | 0.0000 | 0.0000 | 0.106 | 0.102 |
| KSV 500-K1-14 | 64.44 | 12.65 | 13.58 | 1.53 | 6.33 | 2.03 | 0.02 | 0.04 | 0.06 | 0.00 |  | 0.00 | 0.00 | 100.67 | 1.7275 | 0.2040 | 0.6734 | 0.0768 | 0.2823 | 0.0312 | 0.0013 | 0.0021 | 0.0014 | 0.0000 | 0.0000 | 0.106 | 0.102 |
| KSV 500-K1-15 | 63.95 | 12.72 | 13.55 | 1.48 | 6.36 | 2.20 | 0.00 | 0.03 | 0.07 | 0.00 |  | 0.00 | 0.00 | 100.35 | 1.7222 | 0.2061 | 0.6750 | 0.0747 | 0.2849 | 0.0340 | 0.0000 | 0.0016 | 0.0017 | 0.0000 | 0.0000 | 0.107 | 0.100 |
| KSV 500-K1-16 | 64.41 | 12.88 | 13.49 | 1.50 | 6.32 | 1.93 | 0.06 | 0.03 | 0.06 | 0.00 |  | 0.00 | 0.00 | 100.69 | 1.7284 | 0.2079 | 0.6697 | 0.0754 | 0.2821 | 0.0297 | 0.0038 | 0.0016 | 0.0014 | 0.0000 | 0.0000 | 0.107 | 0.101 |
| KSV 500-K1-17 | 64.46 | 12.80 | 13.51 | 1.51 | 6.41 | 1.98 | 0.01 | 0.03 | 0.04 | 0.00 |  | 0.00 | 0.00 | 100.75 | 1.7282 | 0.2064 | 0.6701 | 0.0759 | 0.2859 | 0.0304 | 0.0006 | 0.0016 | 0.0009 | 0.0000 | 0.0000 | 0.107 | 0.102 |
| KSV 500-K1-18 | 64.25 | 12.88 | 13.39 | 1.48 | 6.37 | 1.91 | 0.01 | 0.04 | 0.07 | 0.00 |  | 0.00 | 0.00 | 100.39 | 1.7303 | 0.2087 | 0.6671 | 0.0747 | 0.2854 | 0.0295 | 0.0006 | 0.0021 | 0.0017 | 0.0000 | 0.0000 | 0.108 | 0.101 |
| KSV 500-K1-19 | 64.38 | 12.82 | 13.50 | 1.52 | 6.37 | 2.02 | 0.02 | 0.05 | 0.03 | 0.00 |  | 0.00 | 0.00 | 100.71 | 1.7270 | 0.2069 | 0.6699 | 0.0764 | 0.2842 | 0.0311 | 0.0013 | 0.0026 | 0.0007 | 0.0000 | 0.0000 | 0.107 | 0.102 |
| KSV 500-K1-20 | 64.07 | 13.08 | 13.52 | 1.54 | 6.36 | 2.14 | 0.00 | 0.04 | 0.04 | 0.00 |  | 0.00 | 0.00 | 100.78 | 1.7200 | 0.2112 | 0.6714 | 0.0775 | 0.2840 | 0.0329 | 0.0000 | 0.0021 | 0.0009 | 0.0000 | 0.0000 | 0.109 | 0.103 |
| KSV 500-K2-1 | 64.19 | 12.58 | 12.71 | 1.36 | 6.05 | 1.92 | 0.00 | 0.02 | 0.02 | 0.00 |  | 0.00 | 0.10 | 98.95 | 1.7653 | 0.2081 | 0.6466 | 0.0701 | 0.2768 | 0.0303 | 0.0000 | 0.0011 | 0.0005 | 0.0000 | 0.0000 | 0.105 | 0.098 |
| KSV 500-K2-2 | 63.45 | 13.81 | 13.49 | 1.58 | 6.39 | 1.90 | 0.02 | 0.04 | 0.08 | 0.00 |  | 0.00 | 0.00 | 100.75 | 1.7059 | 0.2233 | 0.6709 | 0.0796 | 0.2858 | 0.0293 | 0.0013 | 0.0021 | 0.0019 | 0.0000 | 0.0000 | 0.116 | 0.106 |
| KSV 500-K2-3 | 63.78 | 13.78 | 12.79 | 1.61 | 6.16 | 1.98 | 0.70 | 0.05 | 0.03 | 0.00 |  | 0.00 | 0.00 | 100.86 | 1.7098 | 0.2222 | 0.6343 | 0.0809 | 0.2747 | 0.0304 | 0.0445 | 0.0026 | 0.0007 | 0.0000 | 0.0000 | 0.115 | 0.113 |
| KSV 500-K2-4 | 63.48 | 13.24 | 12.83 | 1.58 | 6.02 | 2.05 | 0.20 | 0.04 | 0.04 | 0.00 |  | 0.00 | 0.00 | 99.47 | 1.7326 | 0.2174 | 0.6478 | 0.0808 | 0.2733 | 0.0321 | 0.0129 | 0.0021 | 0.0010 | 0.0000 | 0.0000 | 0.111 | 0.111 |
| KSV 500-K2-5 | 63.65 | 13.61 | 13.37 | 1.56 | 6.30 | 2.13 | 0.05 | 0.04 | 0.06 | 0.00 |  | 0.00 | 0.00 | 100.76 | 1.7135 | 0.2204 | 0.6658 | 0.0787 | 0.2821 | 0.0329 | 0.0032 | 0.0021 | 0.0014 | 0.0000 | 0.0000 | 0.114 | 0.106 |
| KSV 500-K2-6 | 63.27 | 13.69 | 13.14 | 1.60 | 6.41 | 2.03 | 0.03 | 0.04 | 0.04 | 0.00 |  | 0.00 | 0.13 | 100.37 | 1.7118 | 0.2228 | 0.6576 | 0.0811 | 0.2885 | 0.0315 | 0.0019 | 0.0021 | 0.0010 | 0.0000 | 0.0000 | 0.115 | 0.110 |
| KSV 500-K2-7 | 63.16 | 13.53 | 13.34 | 1.59 | 6.33 | 2.00 | 0.01 | 0.05 | 0.06 | 0.00 |  | 0.00 | 0.00 | 100.06 | 1.7100 | 0.2204 | 0.6681 | 0.0807 | 0.2851 | 0.0310 | 0.0006 | 0.0026 | 0.0014 | 0.0000 | 0.0000 | 0.114 | 0.108 |
| KSV 500-K2-8 | 64.83 | 13.17 | 14.91 | 1.35 | 5.10 | 1.89 | 0.00 | 0.04 | 0.06 | 0.00 |  | 0.00 | 0.00 | 101.35 | 1.7279 | 0.2111 | 0.7351 | 0.0674 | 0.2261 | 0.0289 | 0.0000 | 0.0021 | 0.0014 | 0.0000 | 0.0000 | 0.109 | 0.084 |
| KSV 500-K2-9 | 64.31 | 12.86 | 13.31 | 1.21 | 5.75 | 1.76 | 0.45 | 0.04 | 0.05 | 0.00 |  | 0.00 | 0.00 | 99.72 | 1.7429 | 0.2096 | 0.6673 | 0.0614 | 0.2592 | 0.0273 | 0.0289 | 0.0021 | 0.0012 | 0.0000 | 0.0000 | 0.107 | 0.084 |
| KSV 500-K2-10 | 64.40 | 13.13 | 14.11 | 1.45 | 5.80 | 2.09 | 0.02 | 0.05 | 0.03 | 0.00 |  | 0.00 | 0.00 | 101.07 | 1.7230 | 0.2113 | 0.6983 | 0.0727 | 0.2581 | 0.0321 | 0.0013 | 0.0026 | 0.0007 | 0.0000 | 0.0000 | 0.109 | 0.094 |
| KSV 750-K2-1 | 64.93 | 12.79 | 13.09 | 1.52 | 6.33 | 2.04 | 0.01 | 0.03 | 0.05 | 0.00 |  | 0.00 | 0.00 | 100.79 | 1.7468 | 0.2070 | 0.6515 | 0.0766 | 0.2833 | 0.0315 | 0.0006 | 0.0016 | 0.0012 | 0.0000 | 0.0000 | 0.106 | 0.105 |
| KSV 750-K2-2 | 64.69 | 12.90 | 12.93 | 1.49 | 5.64 | 2.16 | 0.01 | 0.06 | 0.10 | 0.00 |  | 0.00 | 0.10 | 100.07 | 1.7634 | 0.2115 | 0.6520 | 0.0761 | 0.2557 | 0.0338 | 0.0006 | 0.0032 | 0.0024 | 0.0000 | 0.0000 | 0.107 | 0.105 |
| KSV 750-K2-3 | 64.42 | 12.59 | 13.20 | 1.52 | 6.48 | 2.16 | 0.01 | 0.03 | 0.01 | 0.00 |  | 0.00 | 0.00 | 100.41 | 1.7353 | 0.2040 | 0.6578 | 0.0767 | 0.2904 | 0.0334 | 0.0006 | 0.0016 | 0.0002 | 0.0000 | 0.0000 | 0.105 | 0.104 |
| KSV 750-K2-4 | 64.17 | 12.94 | 13.19 | 1.51 | 6.43 | 2.07 | 0.01 | 0.04 | 0.04 | 0.00 |  | 0.00 | 0.00 | 100.40 | 1.7312 | 0.2100 | 0.6583 | 0.0763 | 0.2886 | 0.0320 | 0.0006 | 0.0021 | 0.0010 | 0.0000 | 0.0000 | 0.108 | 0.104 |
| KSV 750-K2-5 | 63.61 | 12.66 | 13.02 | 1.52 | 6.38 | 2.11 | 0.05 | 0.04 | 0.05 | 0.00 |  | 0.00 | 0.00 | 99.44 | 1.7313 | 0.2073 | 0.6556 | 0.0775 | 0.2889 | 0.0329 | 0.0032 | 0.0021 | 0.0012 | 0.0000 | 0.0000 | 0.107 | 0.106 |
| KSV 750-K2-6 | 65.23 | 12.90 | 12.69 | 1.51 | 6.00 | 2.14 | 0.02 | 0.04 | 0.06 | 0.00 |  | 0.00 | 0.00 | 100.59 | 1.7681 | 0.2103 | 0.6363 | 0.0767 | 0.2705 | 0.0333 | 0.0013 | 0.0021 | 0.0014 | 0.0000 | 0.0000 | 0.106 | 0.108 |
| KSV 750-K2-7 | 64.78 | 12.75 | 12.81 | 1.54 | 6.41 | 1.99 | 0.01 | 0.04 | 0.06 | 0.00 |  | 0.00 | 0.00 | 100.39 | 1.7510 | 0.2073 | 0.6405 | 0.0780 | 0.2882 | 0.0308 | 0.0006 | 0.0021 | 0.0014 | 0.0000 | 0.0000 | 0.106 | 0.109 |
| KSV 750-K2-8 | 64.47 | 12.50 | 13.67 | 1.42 | 5.69 | 2.14 | 0.00 | 0.05 | 0.04 | 0.00 |  | 0.00 | 0.00 | 99.98 | 1.7462 | 0.2037 | 0.6849 | 0.0721 | 0.2564 | 0.0332 | 0.0000 | 0.0026 | 0.0010 | 0.0000 | 0.0000 | 0.104 | 0.095 |
| KSV 750-K2-9 | 63.10 | 12.94 | 13.00 | 1.47 | 5.98 | 1.99 | 0.60 | 0.04 | 0.08 | 0.00 |  | 0.00 | 0.21 | 99.42 | 1.7139 | 0.2114 | 0.6532 | 0.0748 | 0.2702 | 0.0310 | 0.0386 | 0.0021 | 0.0019 | 0.0000 | 0.0000 | 0.110 | 0.103 |
| KSV 750-K2-10 | 64.51 | 12.83 | 13.23 | 1.52 | 6.44 | 2.21 | 0.00 | 0.03 | 0.07 | 0.00 |  | 0.00 | 0.00 | 100.83 | 1.7334 | 0.2074 | 0.6576 | 0.0765 | 0.2878 | 0.0340 | 0.0000 | 0.0016 | 0.0017 | 0.0000 | 0.0000 | 0.107 | 0.104 |
| KSV 750-K1-1 | 64.83 | 12.65 | 13.77 | 1.54 | 6.31 | 1.98 | 0.01 | 0.05 | 0.05 | 0.00 |  | 0.00 | 0.00 | 101.20 | 1.7274 | 0.2028 | 0.6787 | 0.0769 | 0.2797 | 0.0302 | 0.0006 | 0.0026 | 0.0012 | 0.0000 | 0.0000 | 0.105 | 0.102 |
| KSV 750-K1-2 | 64.07 | 13.06 | 13.44 | 1.55 | 6.19 | 2.10 | 0.01 | 0.04 | 0.07 | 0.00 |  | 0.00 | 0.00 | 100.53 | 1.7261 | 0.2116 | 0.6698 | 0.0782 | 0.2774 | 0.0324 | 0.0006 | 0.0021 | 0.0017 | 0.0000 | 0.0000 | 0.109 | 0.105 |
| KSV 750-K1-3 | 64.63 | 13.03 | 13.19 | 1.57 | 6.16 | 2.14 | 0.02 | 0.03 | 0.08 | 0.00 |  | 0.00 | 0.00 | 100.85 | 1.7396 | 0.2110 | 0.6567 | 0.0792 | 0.2758 | 0.0330 | 0.0013 | 0.0016 | 0.0019 | 0.0000 | 0.0000 | 0.108 | 0.108 |
| KSV 750-K1-4 | 63.85 | 12.68 | 13.44 | 1.48 | 6.39 | 1.94 | 0.01 | 0.04 | 0.05 | 0.00 |  | 0.00 | 0.00 | 99.88 | 1.7257 | 0.2061 | 0.6720 | 0.0749 | 0.2873 | 0.0301 | 0.0006 | 0.0021 | 0.0012 | 0.0000 | 0.0000 | 0.107 | 0.100 |
| KSV 750-K1-5 | 64.68 | 12.72 | 13.21 | 1.47 | 6.46 | 2.05 | 0.00 | 0.04 | 0.05 | 0.00 |  | 0.00 | 0.00 | 100.67 | 1.7393 | 0.2058 | 0.6571 | 0.0741 | 0.2890 | 0.0316 | 0.0000 | 0.0021 | 0.0012 | 0.0000 | 0.0000 | 0.106 | 0.101 |
| KSV 750-K1-6 | 64.97 | 12.51 | 13.34 | 1.46 | 6.27 | 2.08 | 0.01 | 0.04 | 0.07 | 0.00 |  | 0.00 | 0.00 | 100.74 | 1.7451 | 0.2021 | 0.6628 | 0.0735 | 0.2801 | 0.0320 | 0.0006 | 0.0021 | 0.0017 | 0.0000 | 0.0000 | 0.104 | 0.100 |
| KSV 750-K1-7 | 64.46 | 12.78 | 13.30 | 1.45 | 6.40 | 1.96 | 0.01 | 0.04 | 0.06 | 0.00 |  | 0.00 | 0.00 | 100.47 | 1.7360 | 0.2070 | 0.6626 | 0.0732 | 0.2867 | 0.0303 | 0.0006 | 0.0021 | 0.0014 | 0.0000 | 0.0000 | 0.107 | 0.099 |
| KSV 750-K1-8 | 65.09 | 12.87 | 12.89 | 1.49 | 6.04 | 1.92 | 0.01 | 0.04 | 0.09 | 0.00 |  | 0.00 | 0.00 | 100.44 | 1.7624 | 0.2096 | 0.6456 | 0.0756 | 0.2720 | 0.0298 | 0.0006 | 0.0021 | 0.0021 | 0.0000 | 0.0000 | 0.106 | 0.105 |
| KSV 750-K1-9 | 64.63 | 12.89 | 13.17 | 1.49 | 6.45 | 1.98 | 0.00 | 0.03 | 0.04 | 0.00 |  | 0.00 | 0.00 | 100.67 | 1.7390 | 0.2086 | 0.6555 | 0.0751 | 0.2887 | 0.0305 | 0.0000 | 0.0016 | 0.0009 | 0.0000 | 0.0000 | 0.107 | 0.103 |
| KSV 750-K1-10 | 64.95 | 12.85 | 13.38 | 1.48 | 6.37 | 1.89 | 0.01 | 0.04 | 0.06 | 0.00 |  | 0.00 | 0.00 | 101.03 | 1.7392 | 0.2070 | 0.6628 | 0.0742 | 0.2837 | 0.0290 | 0.0006 | 0.0021 | 0.0014 | 0.0000 | 0.0000 | 0.106 | 0.101 |
| KSV 750-K1-11 | 64.39 | 12.74 | 13.08 | 1.51 | 6.54 | 2.13 | 0.01 | 0.03 | 0.05 | 0.00 |  | 0.00 | 0.00 | 100.47 | 1.7355 | 0.2066 | 0.6522 | 0.0763 | 0.2932 | 0.0329 | 0.0006 | 0.0016 | 0.0012 | 0.0000 | 0.0000 | 0.106 | 0.105 |
| KSV 750-K1-12 | 64.68 | 12.83 | 13.25 | 1.46 | 6.33 | 1.92 | 0.01 | 0.03 | 0.06 | 0.00 |  | 0.00 | 0.00 | 100.56 | 1.7417 | 0.2078 | 0.6600 | 0.0737 | 0.2835 | 0.0296 | 0.0006 | 0.0016 | 0.0014 | 0.0000 | 0.0000 | 0.107 | 0.100 |
| KSV 750-K1-13 | 64.31 | 12.97 | 13.35 | 1.51 | 6.36 | 2.07 | 0.01 | 0.03 | 0.04 | 0.00 |  | 0.00 | 0.00 | 100.63 | 1.7300 | 0.2099 | 0.6643 | 0.0761 | 0.2846 | 0.0319 | 0.0006 | 0.0016 | 0.0009 | 0.0000 | 0.0000 | 0.108 | 0.103 |
| KSV 750-K1-14 | 64.54 | 12.94 | 13.06 | 1.50 | 6.21 | 1.94 | 0.02 | 0.06 | 0.05 | 0.00 |  | 0.00 | 0.00 | 100.32 | 1.7452 | 0.2105 | 0.6533 | 0.0760 | 0.2793 | 0.0301 | 0.0013 | 0.0031 | 0.0012 | 0.0000 | 0.0000 | 0.108 | 0.104 |
| KSV 750-K1-15 | 62.39 | 12.39 | 14.29 | 1.47 | 6.55 | 1.94 | 0.14 | 0.04 | 0.07 | 0.00 |  | 0.00 | 0.00 | 99.28 | 1.6785 | 0.2005 | 0.7112 | 0.0741 | 0.2931 | 0.0299 | 0.0089 | 0.0021 | 0.0017 | 0.0000 | 0.0000 | 0.107 | 0.094 |
| KSV 600-1 | 63.81 | 12.54 | 13.54 | 1.52 | 6.34 | 2.10 | 0.03 | 0.04 | 0.05 | 0.00 |  | 0.00 | 0.00 | 99.96 | 1.7216 | 0.2035 | 0.6758 | 0.0768 | 0.2845 | 0.0325 | 0.0019 | 0.0021 | 0.0012 | 0.0000 | 0.0000 | 0.106 | 0.102 |
| KSV 600-2 | 64.62 | 12.75 | 13.41 | 1.54 | 6.43 | 2.08 | 0.00 | 0.04 | 0.04 | 0.00 |  | 0.00 | 0.00 | 100.90 | 1.7312 | 0.2055 | 0.6646 | 0.0773 | 0.2865 | 0.0319 | 0.0000 | 0.0021 | 0.0009 | 0.0000 | 0.0000 | 0.106 | 0.104 |
| KSV 600-3 | 64.47 | 12.99 | 13.32 | 1.49 | 6.23 | 1.95 | 0.01 | 0.04 | 0.05 | 0.00 |  | 0.00 | 0.00 | 100.56 | 1.7371 | 0.2105 | 0.6639 | 0.0752 | 0.2792 | 0.0301 | 0.0006 | 0.0021 | 0.0012 | 0.0000 | 0.0000 | 0.108 | 0.102 |
| KSV 600-4 | 64.72 | 13.06 | 13.37 | 1.52 | 6.40 | 2.04 | 0.00 | 0.05 | 0.07 | 0.00 |  | 0.00 | 0.00 | 101.23 | 1.7316 | 0.2102 | 0.6617 | 0.0762 | 0.2848 | 0.0313 | 0.0000 | 0.0026 | 0.0017 | 0.0000 | 0.0000 | 0.108 | 0.103 |
| KSV 600-5 | 64.18 | 12.91 | 13.41 | 1.51 | 6.43 | 2.20 | 0.01 | 0.04 | 0.04 | 0.00 |  | 0.00 | 0.00 | 100.73 | 1.7241 | 0.2086 | 0.6664 | 0.0760 | 0.2873 | 0.0339 | 0.0006 | 0.0021 | 0.0009 | 0.0000 | 0.0000 | 0.108 | 0.102 |
| KSV 600-6 | 64.39 | 12.88 | 13.49 | 1.51 | 6.50 | 1.95 | 0.00 | 0.04 | 0.05 | 0.00 |  | 0.00 | 0.00 | 100.80 | 1.7251 | 0.2076 | 0.6686 | 0.0758 | 0.2897 | 0.0299 | 0.0000 | 0.0021 | 0.0012 | 0.0000 | 0.0000 | 0.107 | 0.102 |
| KSV 600-7 | 64.49 | 13.16 | 13.38 | 1.52 | 6.40 | 2.14 | 0.00 | 0.05 | 0.05 | 0.00 |  | 0.00 | 0.00 | 101.19 | 1.7271 | 0.2120 | 0.6629 | 0.0763 | 0.2851 | 0.0329 | 0.0000 | 0.0026 | 0.0012 | 0.0000 | 0.0000 | 0.109 | 0.103 |
| KSV 600-8 | 64.42 | 12.95 | 13.51 | 1.49 | 6.40 | 2.11 | 0.01 | 0.03 | 0.04 | 0.00 |  | 0.00 | 0.00 | 100.96 | 1.7261 | 0.2087 | 0.6696 | 0.0748 | 0.2852 | 0.0324 | 0.0006 | 0.0015 | 0.0009 | 0.0000 | 0.0000 | 0.108 | 0.100 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sels-Vitberget | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SL V-1 | 29.61 | 51.58 | 13.17 | 3.42 | 0.86 | 0.93 | 0.01 | 0.11 | 0.16 | 0.06 | 0.00 | 0.10 | 0.00 | 100.01 | 0.9461 | 0.9913 | 0.7784 | 0.2047 | 0.0457 | 0.0170 | 0.0008 | 0.0068 | 0.0045 | 0.0021 | 0.0026 | 0.512 | 0.208 |
| SL V-2 | 34.66 | 46.54 | 12.93 | 3.90 | 0.86 | 0.85 | 0.02 | 0.11 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 99.95 | 1.0816 | 0.8736 | 0.7464 | 0.2280 | 0.0446 | 0.0152 | 0.0015 | 0.0066 | 0.0025 | 0.0000 | 0.0000 | 0.447 | 0.234 |
| SL V-5 | 28.13 | 53.07 | 12.86 | 3.51 | 0.80 | 0.83 | 0.01 | 0.09 | 0.13 | 0.09 | 0.00 | 0.13 | 0.00 | 99.65 | 0.9100 | 1.0327 | 0.7696 | 0.2127 | 0.0430 | 0.0154 | 0.0008 | 0.0056 | 0.0037 | 0.0031 | 0.0034 | 0.532 | 0.217 |
| SL V-6 | 26.22 | 55.95 | 13.07 | 3.23 | 0.71 | 0.43 | 0.00 | 0.12 | 0.07 | 0.15 | 0.00 | 0.10 | 0.00 | 100.03 | 0.8544 | 1.0967 | 0.7878 | 0.1972 | 0.0385 | 0.0080 | 0.0000 | 0.0075 | 0.0020 | 0.0053 | 0.0026 | 0.562 | 0.200 |
| SL V-7 | 26.35 | 55.72 | 12.95 | 3.38 | 0.75 | 0.54 | 0.01 | 0.12 | 0.08 | 0.10 | 0.00 | 0.10 | 0.00 | 100.10 | 0.8571 | 1.0903 | 0.7792 | 0.2060 | 0.0406 | 0.0101 | 0.0008 | 0.0075 | 0.0023 | 0.0035 | 0.0026 | 0.560 | 0.209 |
| SL V-8 | 28.26 | 54.10 | 13.23 | 3.32 | 0.66 | 0.58 | 0.01 | 0.10 | 0.10 | 0.03 | 0.00 | 0.00 | 0.00 | 100.37 | 0.9090 | 1.0468 | 0.7872 | 0.2001 | 0.0353 | 0.0107 | 0.0008 | 0.0062 | 0.0028 | 0.0010 | 0.0000 | 0.535 | 0.203 |
| SL V-9 | 35.65 | 44.98 | 11.37 | 3.43 | 0.86 | 1.07 | 0.59 | 0.08 | 0.10 | 0.06 | 0.00 | 0.17 | 1.38 | 99.73 | 1.1290 | 0.8568 | 0.6661 | 0.2035 | 0.0453 | 0.0194 | 0.0443 | 0.0049 | 0.0028 | 0.0020 | 0.0044 | 0.431 | 0.234 |
| SL V-10 | 34.07 | 47.12 | 13.32 | 3.88 | 0.81 | 0.77 | 0.01 | 0.11 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 100.18 | 1.0600 | 0.8818 | 0.7666 | 0.2262 | 0.0419 | 0.0137 | 0.0007 | 0.0066 | 0.0025 | 0.0000 | 0.0000 | 0.454 | 0.228 |
| SL V-11 | 27.60 | 54.43 | 13.16 | 3.29 | 0.60 | 0.61 | 0.00 | 0.11 | 0.04 | 0.02 | 0.00 | 0.15 | 0.00 | 100.00 | 0.8943 | 1.0609 | 0.7888 | 0.1997 | 0.0323 | 0.0113 | 0.0000 | 0.0069 | 0.0011 | 0.0007 | 0.0039 | 0.543 | 0.202 |
| SL V-12 | 44.89 | 34.76 | 14.19 | 3.70 | 0.80 | 1.46 | 0.00 | 0.07 | 0.09 | 0.46 | 0.00 | 0.00 | 0.00 | 100.42 | 1.3221 | 0.6158 | 0.7731 | 0.2042 | 0.0392 | 0.0246 | 0.0000 | 0.0040 | 0.0023 | 0.0146 | 0.0000 | 0.318 | 0.209 |
| SL V-13 | 45.19 | 34.18 | 14.17 | 3.94 | 0.82 | 1.22 | 0.00 | 0.06 | 0.11 | 0.41 | 0.00 | 0.10 | 0.00 | 100.20 | 1.3272 | 0.6039 | 0.7699 | 0.2168 | 0.0401 | 0.0205 | 0.0000 | 0.0034 | 0.0028 | 0.0130 | 0.0024 | 0.313 | 0.220 |
| SL V-14 | 46.83 | 32.91 | 13.37 | 3.80 | 0.84 | 1.60 | 0.27 | 0.03 | 0.10 | 0.00 | 0.00 | 0.14 | 0.00 | 99.88 | 1.3815 | 0.5840 | 0.7296 | 0.2100 | 0.0412 | 0.0271 | 0.0189 | 0.0017 | 0.0026 | 0.0000 | 0.0033 | 0.297 | 0.224 |
| SL V-15 | 38.97 | 41.96 | 13.04 | 4.24 | 0.96 | 1.08 | 0.02 | 0.09 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 100.48 | 1.1831 | 0.7663 | 0.7323 | 0.2412 | 0.0485 | 0.0188 | 0.0014 | 0.0053 | 0.0032 | 0.0000 | 0.0000 | 0.393 | 0.248 |
| SL V-16 | 29.10 | 52.77 | 13.39 | 3.27 | 0.73 | 0.99 | 0.01 | 0.10 | 0.13 | 0.05 | 0.00 | 0.10 | 0.00 | 100.63 | 0.9288 | 1.0132 | 0.7906 | 0.1956 | 0.0388 | 0.0181 | 0.0008 | 0.0062 | 0.0037 | 0.0017 | 0.0026 | 0.522 | 0.198 |
| SL V-17 | 29.28 | 52.51 | 13.25 | 3.20 | 0.81 | 0.78 | 0.01 | 0.09 | 0.14 | 0.07 | 0.00 | 0.11 | 0.00 | 100.25 | 0.9379 | 1.0118 | 0.7852 | 0.1921 | 0.0432 | 0.0143 | 0.0008 | 0.0056 | 0.0040 | 0.0024 | 0.0029 | 0.519 | 0.197 |
| SL V-18 | 30.09 | 50.65 | 13.13 | 3.17 | 0.87 | 0.85 | 0.12 | 0.09 | 0.13 | 0.12 | 0.00 | 0.11 | 0.00 | 99.32 | 0.9653 | 0.9775 | 0.7792 | 0.1905 | 0.0464 | 0.0156 | 0.0091 | 0.0056 | 0.0037 | 0.0042 | 0.0029 | 0.503 | 0.196 |
| SL V-19 | 30.63 | 49.82 | 13.49 | 3.27 | 0.90 | 1.10 | 0.02 | 0.08 | 0.17 | 0.05 | 0.00 | 0.00 | 0.00 | 99.51 | 0.9753 | 0.9543 | 0.7946 | 0.1951 | 0.0477 | 0.0201 | 0.0015 | 0.0049 | 0.0048 | 0.0017 | 0.0000 | 0.495 | 0.197 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stora Vika | Wt-%  Nb2O5 | Ta2O5 | FeO | MnO | TiO2 | WO3 | CaO | Sc2O3 | SnO2 | ZrO2 | Y2O3 | REE2O3 | UO2 | Sum | apfu  Nb | Ta | Fe | Mn | Ti | W | Ca | Sc | Sn | Zr | REEY | Ta/(Ta+Nb) | Mn/(Mn+Fe) |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ST V-1-1 | 50.60 | 19.80 | 1.10 | 1.50 | 0.28 | 2.03 | 12.25 | 0.14 | 1.16 | 0.00 | 2.19 | 1.14 | 0.00 | 92.18 | 1.4765 | 0.3475 | 0.0594 | 0.0820 | 0.0136 | 0.0340 | 0.8471 | 0.0079 | 0.0299 | 0.0000 | 0.1022 | 0.191 | 0.580 |
| ST V-1-2 | 50.30 | 21.38 | 1.06 | 1.52 | 0.38 | 1.91 | 11.92 | 0.17 | 1.08 | 0.00 | 2.37 | 1.25 | 0.00 | 93.33 | 1.4646 | 0.3745 | 0.0571 | 0.0829 | 0.0184 | 0.0319 | 0.8226 | 0.0095 | 0.0277 | 0.0000 | 0.1107 | 0.204 | 0.592 |
| ST V-1-3 | 50.83 | 19.98 | 1.04 | 1.41 | 0.29 | 1.89 | 11.88 | 0.16 | 1.14 | 0.00 | 2.63 | 1.41 | 0.00 | 92.66 | 1.4850 | 0.3511 | 0.0562 | 0.0772 | 0.0141 | 0.0317 | 0.8225 | 0.0090 | 0.0294 | 0.0000 | 0.1238 | 0.191 | 0.579 |
| ST V-1-5 | 43.44 | 32.96 | 4.01 | 8.76 | 0.34 | 3.40 | 4.20 | 0.15 | 0.42 | 0.00 | 0.64 | 0.39 | 0.00 | 98.70 | 1.2865 | 0.5872 | 0.2197 | 0.4861 | 0.0168 | 0.0577 | 0.2948 | 0.0086 | 0.0110 | 0.0000 | 0.0317 | 0.313 | 0.689 |
| ST V-1-6 | 19.39 | 40.66 | 7.28 | 7.24 | 0.83 | 10.95 | 3.21 | 0.26 | 0.85 | 0.29 | 0.00 | 0.55 | 0.00 | 91.50 | 0.6599 | 0.8323 | 0.4583 | 0.4616 | 0.0470 | 0.2136 | 0.2589 | 0.0171 | 0.0255 | 0.0106 | 0.0152 | 0.558 | 0.502 |
| ST V-1-7 | 22.81 | 52.65 | 4.22 | 10.86 | 1.78 | 3.88 | 0.48 | 0.37 | 1.81 | 0.23 | 0.00 | 0.25 | 0.00 | 99.35 | 0.7461 | 1.0359 | 0.2553 | 0.6655 | 0.0968 | 0.0728 | 0.0372 | 0.0233 | 0.0522 | 0.0081 | 0.0066 | 0.581 | 0.723 |
| ST V-1-8 | 21.90 | 52.37 | 2.45 | 6.74 | 1.68 | 2.72 | 6.32 | 0.36 | 2.00 | 0.23 | 0.00 | 0.17 | 0.00 | 96.95 | 0.7084 | 1.0191 | 0.1466 | 0.4085 | 0.0904 | 0.0504 | 0.4845 | 0.0224 | 0.0571 | 0.0080 | 0.0045 | 0.590 | 0.736 |
| ST V-1-9 | 24.41 | 36.79 | 3.92 | 6.07 | 0.73 | 13.39 | 6.92 | 0.22 | 1.03 | 0.31 | 0.00 | 0.67 | 0.00 | 94.45 | 0.7903 | 0.7165 | 0.2348 | 0.3682 | 0.0393 | 0.2485 | 0.5310 | 0.0137 | 0.0294 | 0.0108 | 0.0176 | 0.476 | 0.611 |
| ST V-1-10 | 30.01 | 31.70 | 5.33 | 11.00 | 0.49 | 18.16 | 1.62 | 0.20 | 0.41 | 0.25 | 0.00 | 0.77 | 0.00 | 99.93 | 0.9353 | 0.5943 | 0.3073 | 0.6423 | 0.0254 | 0.3245 | 0.1197 | 0.0120 | 0.0113 | 0.0084 | 0.0194 | 0.389 | 0.676 |
| ST V-1-11 | 37.07 | 35.49 | 4.48 | 8.73 | 0.58 | 7.03 | 3.19 | 0.24 | 0.54 | 0.00 | 0.00 | 0.50 | 0.00 | 97.84 | 1.1470 | 0.6605 | 0.2564 | 0.5061 | 0.0299 | 0.1247 | 0.2339 | 0.0143 | 0.0147 | 0.0000 | 0.0125 | 0.365 | 0.664 |
| ST V-1-12 | 47.83 | 25.11 | 1.12 | 2.69 | 0.45 | 1.94 | 10.53 | 0.17 | 0.96 | 0.00 | 2.45 | 1.21 | 0.00 | 94.45 | 1.4081 | 0.4447 | 0.0610 | 0.1484 | 0.0220 | 0.0327 | 0.7347 | 0.0096 | 0.0249 | 0.0000 | 0.1138 | 0.240 | 0.709 |
| ST V-1-13 | 39.68 | 30.84 | 0.83 | 1.33 | 0.41 | 2.23 | 10.28 | 0.19 | 0.93 | 0.00 | 3.48 | 1.79 | 0.00 | 91.99 | 1.2489 | 0.5839 | 0.0483 | 0.0784 | 0.0215 | 0.0402 | 0.7668 | 0.0115 | 0.0258 | 0.0000 | 0.1746 | 0.319 | 0.619 |
| ST V-1-14 | 47.85 | 24.84 | 0.96 | 1.45 | 0.47 | 1.82 | 11.61 | 0.16 | 1.12 | 0.00 | 2.33 | 1.27 | 0.11 | 94.00 | 1.4108 | 0.4406 | 0.0524 | 0.0801 | 0.0231 | 0.0308 | 0.8113 | 0.0091 | 0.0291 | 0.0000 | 0.1112 | 0.238 | 0.605 |
| ST V-1-15 | 37.75 | 32.10 | 2.20 | 7.82 | 0.59 | 7.36 | 5.87 | 0.20 | 0.85 | 0.00 | 0.89 | 0.68 | 0.00 | 96.32 | 1.1600 | 0.5934 | 0.1251 | 0.4502 | 0.0302 | 0.1297 | 0.4275 | 0.0118 | 0.0230 | 0.0000 | 0.0491 | 0.338 | 0.783 |
| ST V-1-16 | 40.40 | 22.88 | 3.70 | 7.30 | 0.25 | 15.55 | 7.47 | 0.14 | 0.43 | 0.00 | 0.55 | 0.79 | 0.00 | 99.45 | 1.1693 | 0.3983 | 0.1981 | 0.3958 | 0.0120 | 0.2580 | 0.5124 | 0.0078 | 0.0110 | 0.0000 | 0.0373 | 0.254 | 0.666 |
| ST V-1-17 | 41.96 | 30.51 | 5.77 | 11.31 | 0.29 | 6.50 | 1.38 | 0.16 | 0.52 | 0.00 | 0.00 | 0.40 | 0.00 | 98.81 | 1.2495 | 0.5465 | 0.3178 | 0.6310 | 0.0144 | 0.1110 | 0.0974 | 0.0092 | 0.0137 | 0.0000 | 0.0097 | 0.304 | 0.665 |
| ST V-1-18 | 27.54 | 39.79 | 5.24 | 9.20 | 0.83 | 9.72 | 2.90 | 0.27 | 1.02 | 0.21 | 0.00 | 0.53 | 0.00 | 97.26 | 0.8761 | 0.7614 | 0.3084 | 0.5483 | 0.0439 | 0.1773 | 0.2186 | 0.0166 | 0.0286 | 0.0072 | 0.0137 | 0.465 | 0.640 |
| ST V-1-19 | 30.19 | 41.99 | 2.14 | 5.26 | 1.05 | 1.85 | 7.25 | 0.28 | 1.25 | 0.00 | 1.32 | 0.55 | 0.12 | 93.22 | 0.9744 | 0.8152 | 0.1278 | 0.3181 | 0.0564 | 0.0342 | 0.5546 | 0.0174 | 0.0356 | 0.0000 | 0.0645 | 0.456 | 0.713 |
| ST V-1-20 | 27.57 | 46.36 | 2.82 | 10.66 | 1.90 | 3.42 | 2.47 | 0.40 | 2.05 | 0.28 | 0.00 | 0.28 | 0.00 | 98.20 | 0.8731 | 0.8832 | 0.1652 | 0.6325 | 0.1001 | 0.0621 | 0.1854 | 0.0244 | 0.0573 | 0.0096 | 0.0072 | 0.503 | 0.793 |
| ST V-2-1 | 8.36 | 35.55 | 2.54 | 5.83 | 1.11 | 31.15 | 7.55 | 0.21 | 4.24 | 0.93 | 0.00 | 1.50 | 0.00 | 98.96 | 0.2808 | 0.7182 | 0.1578 | 0.3668 | 0.0620 | 0.5997 | 0.6009 | 0.0136 | 0.1256 | 0.0337 | 0.0408 | 0.719 | 0.699 |
| ST V-2-2 | 10.32 | 58.12 | 5.08 | 7.80 | 2.60 | 2.63 | 0.00 | 0.37 | 12.39 | 0.59 | 0.00 | 0.22 | 0.00 | 100.10 | 0.3535 | 1.1976 | 0.3219 | 0.5006 | 0.1481 | 0.0516 | 0.0000 | 0.0244 | 0.3743 | 0.0218 | 0.0061 | 0.772 | 0.609 |
| ST V-2-3 | 9.60 | 58.03 | 4.09 | 8.65 | 2.35 | 3.01 | 0.00 | 0.40 | 12.96 | 0.90 | 0.00 | 0.18 | 0.00 | 100.16 | 0.3302 | 1.2005 | 0.2602 | 0.5574 | 0.1344 | 0.0593 | 0.0000 | 0.0265 | 0.3931 | 0.0334 | 0.0050 | 0.784 | 0.682 |
| ST V-2-4 | 9.89 | 55.70 | 4.04 | 8.03 | 2.43 | 4.94 | 1.47 | 0.37 | 11.60 | 0.74 | 0.00 | 0.39 | 0.00 | 99.60 | 0.3359 | 1.1380 | 0.2538 | 0.5110 | 0.1373 | 0.0962 | 0.1183 | 0.0242 | 0.3475 | 0.0271 | 0.0107 | 0.772 | 0.668 |
| ST V-2-6 | 10.40 | 57.32 | 4.98 | 7.63 | 2.64 | 2.95 | 0.29 | 0.38 | 11.93 | 0.57 | 0.00 | 0.21 | 0.00 | 99.31 | 0.3578 | 1.1863 | 0.3169 | 0.4918 | 0.1511 | 0.0582 | 0.0236 | 0.0252 | 0.3620 | 0.0212 | 0.0059 | 0.768 | 0.608 |
| ST V-2-7 | 9.85 | 57.66 | 4.80 | 7.96 | 2.34 | 3.50 | 0.00 | 0.38 | 12.92 | 0.85 | 0.00 | 0.20 | 0.00 | 100.45 | 0.3380 | 1.1901 | 0.3047 | 0.5117 | 0.1336 | 0.0688 | 0.0000 | 0.0251 | 0.3910 | 0.0315 | 0.0056 | 0.779 | 0.627 |
| ST V-2-8 | 9.67 | 55.11 | 4.17 | 9.06 | 2.45 | 6.65 | 0.00 | 0.36 | 11.53 | 0.73 | 0.00 | 0.38 | 0.00 | 100.11 | 0.3321 | 1.1385 | 0.2649 | 0.5830 | 0.1400 | 0.1309 | 0.0000 | 0.0238 | 0.3492 | 0.0270 | 0.0106 | 0.774 | 0.688 |
| ST V-2-9 | 9.89 | 58.53 | 4.08 | 8.98 | 3.08 | 3.27 | 0.00 | 0.39 | 10.97 | 0.65 | 0.00 | 0.23 | 0.00 | 100.08 | 0.3380 | 1.2032 | 0.2579 | 0.5750 | 0.1751 | 0.0641 | 0.0000 | 0.0257 | 0.3307 | 0.0240 | 0.0064 | 0.781 | 0.690 |
| ST V-2-10 | 10.13 | 55.27 | 3.49 | 9.02 | 2.78 | 5.35 | 0.58 | 0.41 | 11.54 | 0.67 | 0.00 | 0.39 | 0.00 | 99.63 | 0.3461 | 1.1359 | 0.2206 | 0.5774 | 0.1580 | 0.1048 | 0.0470 | 0.0270 | 0.3478 | 0.0247 | 0.0108 | 0.766 | 0.724 |
| ST V-2-11 | 9.98 | 55.38 | 4.03 | 8.90 | 2.20 | 5.30 | 0.16 | 0.35 | 12.01 | 0.76 | 0.00 | 0.35 | 0.00 | 99.41 | 0.3447 | 1.1504 | 0.2575 | 0.5759 | 0.1264 | 0.1049 | 0.0131 | 0.0233 | 0.3658 | 0.0283 | 0.0098 | 0.769 | 0.691 |
| ST V-2-12 | 10.22 | 56.59 | 3.89 | 8.68 | 2.36 | 4.50 | 0.47 | 0.37 | 12.44 | 0.70 | 0.00 | 0.27 | 0.00 | 100.48 | 0.3484 | 1.1605 | 0.2453 | 0.5544 | 0.1338 | 0.0879 | 0.0380 | 0.0243 | 0.3741 | 0.0257 | 0.0075 | 0.769 | 0.693 |
| ST V-2-13 | 10.03 | 54.74 | 4.35 | 8.91 | 2.31 | 6.13 | 0.08 | 0.38 | 11.88 | 0.76 | 0.00 | 0.38 | 0.00 | 99.95 | 0.3436 | 1.1279 | 0.2756 | 0.5718 | 0.1316 | 0.1204 | 0.0065 | 0.0251 | 0.3589 | 0.0281 | 0.0105 | 0.767 | 0.675 |
| ST V-2-14 | 33.39 | 26.56 | 2.76 | 4.97 | 0.31 | 15.56 | 8.72 | 0.20 | 0.75 | 0.00 | 2.38 | 0.87 | 0.00 | 96.47 | 1.0176 | 0.4869 | 0.1556 | 0.2838 | 0.0157 | 0.2718 | 0.6298 | 0.0117 | 0.0202 | 0.0000 | 0.1069 | 0.324 | 0.646 |
| ST V-2-15 | 29.07 | 33.48 | 5.50 | 12.77 | 0.62 | 17.45 | 0.02 | 0.22 | 0.53 | 0.35 | 0.00 | 0.82 | 0.00 | 100.81 | 0.9054 | 0.6272 | 0.3169 | 0.7452 | 0.0321 | 0.3115 | 0.0015 | 0.0132 | 0.0146 | 0.0118 | 0.0207 | 0.409 | 0.702 |
| ST V-2-16 | 10.37 | 55.37 | 4.03 | 7.72 | 2.41 | 4.29 | 1.52 | 0.39 | 11.65 | 0.74 | 0.00 | 0.32 | 0.00 | 98.82 | 0.3545 | 1.1387 | 0.2549 | 0.4945 | 0.1371 | 0.0841 | 0.1232 | 0.0257 | 0.3513 | 0.0273 | 0.0089 | 0.763 | 0.660 |
| ST V-2-17 | 10.34 | 57.74 | 4.71 | 8.11 | 2.53 | 2.70 | 0.01 | 0.40 | 12.55 | 0.72 | 0.00 | 0.21 | 0.00 | 100.01 | 0.3543 | 1.1902 | 0.2986 | 0.5207 | 0.1442 | 0.0530 | 0.0008 | 0.0264 | 0.3793 | 0.0266 | 0.0058 | 0.771 | 0.636 |
| ST V-2-18 | 8.67 | 53.76 | 2.55 | 4.19 | 2.30 | 3.92 | 6.29 | 0.30 | 7.84 | 0.77 | 0.00 | 0.43 | 0.00 | 91.01 | 0.3125 | 1.1657 | 0.1700 | 0.2830 | 0.1379 | 0.0810 | 0.5373 | 0.0208 | 0.2492 | 0.0299 | 0.0126 | 0.789 | 0.625 |
| ST V-2-19 | 11.09 | 55.30 | 4.94 | 7.23 | 2.32 | 4.31 | 0.42 | 0.36 | 12.52 | 0.82 | 0.00 | 0.35 | 0.00 | 99.64 | 0.3812 | 1.1435 | 0.3141 | 0.4657 | 0.1327 | 0.0849 | 0.0342 | 0.0239 | 0.3796 | 0.0304 | 0.0098 | 0.750 | 0.597 |
| ST V-2-20 | 8.76 | 54.52 | 1.39 | 2.54 | 2.48 | 3.05 | 12.09 | 0.29 | 9.86 | 0.59 | 0.00 | 0.25 | 0.00 | 95.81 | 0.2810 | 1.0522 | 0.0825 | 0.1527 | 0.1324 | 0.0561 | 0.9193 | 0.0179 | 0.2790 | 0.0204 | 0.0065 | 0.789 | 0.649 |

For description of sample locations not described in this paper see:

Högsbo: Romer & Smeds (1996)

Kolsva, Reboda, Broddbo, Sels-Vitberget, Järkvissle, Ytterbodliden: Romer & Smeds (1997)

Rosendal, Skogsböle: Lindroos et al. (1996)

Stora Vika: Romer (1997)