**Table 1** The latitude and longitude of 9 populations sampled and the major climate variables of *S. krylovii* habitats

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| --- | --- | --- | --- | --- | --- | --- |
| Region | Population code | Latitude(°N) | Longitude (°E) | Annual mean temperature (°C) | Annual mean precipitation (mm) | Aridity  index |
| Eastern region | E1 | 48.82 | 119.23 | -0.93 | 324 | 0.32 |
| E2 | 48.55 | 119.12 | -1.25 | 319 | 0.31 |
| E3 | 48.46 | 119.04 | -1.09 | 309 | 0.30 |
| Middle region | M1 | 43.63 | 116.68 | 1.71 | 317 | 0.27 |
| M2 | 43.60 | 116.66 | 1.80 | 314 | 0.26 |
| M3 | 43.82 | 116.52 | 1.93 | 297 | 0.24 |
| Western region | W1 | 43.94 | 115.86 | 2.38 | 263 | 0.20 |
| W2 | 43.91 | 115.30 | 1.73 | 245 | 0.19 |
| W3 | 43.98 | 115.14 | 1.46 | 239 | 0.18 |