**Table S3.** Genetic differentiation as *F*ST (above diagonal) and geographic distance (km, below diagonal) between the 23 colonies of *S. geminata*. Population pairs where genetic differentiation test was significant (after sequential Bonferroni correction) are in bold

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Sge04 | Sge06 | Sge17 | Sge19 | Sge01 | Sge16 | Sge05 | Sge36 | Sge34 | Sge18 | Sge39 | Sge30 | Sge31 | Sge27 | Sge28 | Sge13 | Sge15 | Sge25 | Sge03 | Sge09 | Sge10 | Sge02 | Sge32 |
| Sge04 | 0 | **0.37** | 0.4 | **0.53** | **0.47** | 0.41 | **0.3** | 0.57 | 0.38 | 0.62 | 0.53 | 0.55 | 0.48 | **0.58** | 0.46 | **0.52** | 0.7 | 0.64 | 0.03 | **0.09** | 0.68 | 0.65 | 0.61 |
| Sge06 | 1.13 | 0 | **0.49** | **0.43** | 0.34 | 0.28 | 0.41 | 0.57 | 0.36 | 0.56 | 0.41 | 0.56 | 0.49 | 0.43 | 0.29 | **0.5** | **0.51** | **0.53** | **0.34** | **0.18** | 0.53 | 0.68 | 0.51 |
| Sge17 | 76.2 | 77.3 | 0 | **0.41** | 0.4 | **0.31** | **0.11** | **0.51** | 0.42 | 0.51 | 0.6 | 0.46 | 0.33 | NA | NA | **0.26** | **0.45** | 0.53 | 0.35 | 0.25 | NA | 0.31 | 0.55 |
| Sge19 | 318 | 319 | 247 | 0 | 0.47 | **0.46** | **0.51** | 0.66 | 0.53 | 0.63 | 0.58 | 0.68 | 0.58 | 0.64 | 0.65 | **0.6** | 0.67 | 0.67 | **0.49** | 0.59 | 0.83 | 0.73 | 0.67 |
| Sge01 | 581 | 583 | 507 | 346 | 0 | 0.41 | **0.27** | 0.53 | 0.45 | 0.48 | 0.47 | 0.58 | 0.47 | 0.39 | 0.35 | **0.49** | **0.58** | 0.56 | 0.45 | 0.14 | 0.46 | 0.61 | 0.6 |
| Sge16 | 566 | 567 | 502 | 263 | 409 | 0 | 0.27 | 0.56 | 0.38 | 0.39 | 0.52 | 0.52 | 0.45 | **0.32** | 0.25 | **0.54** | **0.35** | **0.6** | **0.38** | 0.18 | 0.37 | 0.64 | 0.61 |
| Sge05 | 575 | 576 | 507 | 418 | 154 | 545 | 0 | 0.39 | 0.32 | **0.6** | 0.44 | 0.38 | 0.19 | **0.35** | 0.12 | **0.43** | 0.56 | 0.53 | **0.24** | **0.15** | 0.08 | **0.45** | **0.48** |
| Sge36 | 394 | 396 | 328 | 283 | 225 | 481 | 180 | 0 | 0.47 | 0.52 | 0.5 | **0.49** | 0.4 | 0.51 | 0.49 | 0.46 | 0.71 | 0.62 | 0.55 | 0.39 | 0.6 | 0.47 | 0.37 |
| Sge34 | 266 | 267 | 201 | 235 | 335 | 482 | 309 | 129 | 0 | 0.47 | **0.37** | 0.26 | 0.22 | 0.4 | 0.3 | 0.48 | 0.62 | 0.5 | 0.35 | 0.2 | 0.43 | 0.51 | 0.48 |
| Sge18 | 246 | 247 | 172 | 164 | 335 | 418 | 343 | 168 | 73.8 | 0 | 0.39 | 0.48 | 0.53 | 0.42 | 0.36 | 0.31 | **0.57** | 0.47 | 0.61 | 0.2 | 0.6 | **0.42** | **0.48** |
| Sge39 | 499 | 500 | 434 | 372 | 187 | 533 | 80 | 107 | 234 | 274 | 0 | **0.48** | 0.42 | 0.48 | 0.43 | 0.61 | 0.67 | **0.59** | 0.49 | 0.38 | 0.63 | 0.69 | 0.46 |
| Sge30 | 755 | 756 | 683 | 537 | 192 | 572 | 204 | 369 | 495 | 511 | 282 | 0 | 0.27 | 0.4 | 0.14 | 0.64 | 0.77 | 0.66 | 0.51 | 0.25 | 0 | 0.57 | 0.58 |
| Sge31 | 726 | 727 | 656 | 533 | 196 | 598 | 157 | 333 | 462 | 487 | 236 | 66.7 | 0 | 0.3 | 0.1 | **0.51** | 0.67 | 0.56 | 0.41 | 0.26 | 0.06 | 0.45 | 0.48 |
| Sge27 | 804 | 805 | 731 | 573 | 229 | 584 | 261 | 421 | 546 | 558 | 337 | 57 | 120 | 0 | 0.26 | **0.69** | **0.66** | **0.71** | 0.52 | **0.36** | 0.49 | 0.82 | 0.63 |
| Sge28 | 804 | 805 | 731 | 573 | 230 | 584 | 261 | 421 | 546 | 559 | 337 | 56.9 | 120 | 0.12 | 0 | **0.65** | 0.68 | 0.68 | 0.38 | 0.27 | 0.2 | 0.79 | 0.62 |
| Sge13 | 979 | 980 | 924 | 875 | 572 | 981 | 457 | 611 | 726 | 779 | 508 | 429 | 386 | 447 | 447 | 0 | **0.7** | 0.35 | **0.48** | 0.43 | **0.79** | **0.3** | **0.45** |
| Sge15 | 1268 | 1269 | 1212 | 1148 | 824 | 1224 | 731 | 895 | 1013 | 1063 | 790 | 653 | 629 | 649 | 649 | 290 | 0 | 0.76 | 0.66 | **0.53** | 0.83 | 0.76 | 0.69 |
| Sge25 | 519 | 519 | 462 | 446 | 279 | 627 | 139 | 164 | 265 | 324 | 97 | 333 | 276 | 390 | 390 | 462 | 750 | 0 | 0.61 | 0.43 | 0.79 | 0.6 | 0.58 |
| Sge03 | 675 | 676 | 616 | 563 | 296 | 697 | 153 | 297 | 415 | 465 | 194 | 249 | 182 | 299 | 299 | 314 | 599 | 159 | 0 | **0.07** | 0.57 | 0.62 | 0.59 |
| Sge09 | 675 | 676 | 616 | 563 | 296 | 697 | 153 | 297 | 415 | 465 | 194 | 248 | 182 | 299 | 299 | 314 | 599 | 159 | 0.06 | 0 | 0.33 | 0.52 | 0.48 |
| Sge10 | 675 | 676 | 615 | 563 | 296 | 697 | 153 | 297 | 415 | 465 | 194 | 249 | 182 | 300 | 299 | 314 | 599 | 159 | 0.06 | 0.12 | 0 | 0.92 | 0.7 |
| Sge02 | 674 | 675 | 615 | 563 | 296 | 697 | 153 | 297 | 415 | 465 | 193 | 249 | 182 | 300 | 300 | 315 | 599 | 158 | 0.47 | 0.53 | 0.42 | 0 | 0.51 |
| Sge32 | 236 | 237 | 179 | 265 | 380 | 519 | 344 | 167 | 47 | 102 | 266 | 535 | 499 | 587 | 588 | 745 | 1034 | 284 | 439 | 439 | 439 | 439 | 0 |