

Table S7 The number of microsatellite marker pairs in each distance bin (according to Table 3) for 13 nine-spined stickleback

populations and five habitat types (marine, lake, pond, river and coastal freshwater).

| Data Set | Physical distance interval (Syntenic) | | | | | Overall (Syntenic) |
|--------------------|---------------------------------------|---------|----------|----------|--------|-----------------------|
| | 0-5 Mb | 5-10 Mb | 10-15 Mb | 15-20 Mb | >20 Mb | |
| Hel (M) | 144 | 109 | 50 | 20 | 7 | 330 |
| Sbol (M) | 129 | 101 | 49 | 20 | 7 | 306 |
| Lev (M) | 131 | 102 | 45 | 20 | 7 | 305 |
| Kro (L) | 136 | 103 | 46 | 19 | 5 | 309 |
| Ska (L) | 42 | 21 | 14 | 4 | 4 | 85 |
| Por (L) | 106 | 81 | 30 | 16 | 6 | 239 |
| L1 (L) | 93 | 52 | 16 | 9 | 3 | 173 |
| Rah (L) | 112 | 81 | 34 | 17 | 5 | 249 |
| Byn (P) | 47 | 36 | 16 | 10 | 6 | 115 |
| Pyo (P) | 20 | 10 | 2 | 3 | 0 | 35 |
| Rbol (P) | 137 | 105 | 46 | 20 | 7 | 315 |
| Ryt (P) | 73 | 48 | 16 | 9 | 3 | 149 |
| Mat (R) | 136 | 107 | 45 | 20 | 7 | 315 |
| Marine | 146 | 111 | 50 | 20 | 7 | 334 |
| Lake | 139 | 107 | 46 | 20 | 7 | 319 |
| Pond | 137 | 105 | 46 | 20 | 7 | 315 |
| River | 136 | 107 | 45 | 20 | 7 | 315 |
| Coastal freshwater | 145 | 113 | 46 | 20 | 7 | 331 |

M, marine; L, lake; P, pond; R, river. The population abbreviations are defined in Table 1.