**Table S1.** Distribution of the *M. barbatus* haplotypes within the five sampling localities in the Aegean Sea.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Haplotype | Paliomana | Peraia | Aggelochori | Porto Lagos | Mytilene | Total | GenBankAcc. No. |
| Mb01 | 4 | 4 | 5 | - | 3 | 16 | MH277125 |
| Mb02 | 1 | - | - | - | - | 1 | MH277126 |
| Mb03 | 1 | - | - | - | - | 1 | MH277127 |
| Mb04 | 5 | 3 | 6 | 4 | 5 | 23 | MH277128 |
| Mb05 | 1 | - | - | - | - | 1 | MH277129 |
| Mb06 | 1 | - | - | - | - | 1 | MH277130 |
| Mb07 | 1 | - | - | - | - | 1 | MH277131 |
| Mb08 | 3 | - | - | - | 1 | 4 | MH277132 |
| Mb09 | 1 | - | - | - | - | 1 | MH277133 |
| Mb10 | 1 | - | - | - | - | 1 | MH277134 |
| Mb11 | 1 | - | - | - | - | 1 | MH277135 |
| Mb12 | - | - | 1 | - | - | 1 | MH277136 |
| Mb13 | - | - | 2 | - | - | 2 | MH277137 |
| Mb14 | - | - | 1 | - | - | 1 | MH277138 |
| Mb15 | - | - | 1 | - | - | 1 | MH277139 |
| Mb16 | - | - | 1 | - | - | 1 | MH277140 |
| Mb17 | - | - | 1 | - | - | 1 | MH277141 |
| Mb18 | - | - | 1 | - | - | 1 | MH277142 |
| Mb19 | - | - | - | - | 2 | 2 | MH277143 |
| Mb20 | - | - | - | - | 2 | 2 | MH277144 |
| Mb21 | - | - | - | - | 1 | 1 | MH277145 |
| Mb22 | - | - | - | - | 1 | 1 | MH277146 |
| Mb23 | - | - | - | - | 1 | 1 | MH277147 |
| Mb24 | - | - | - | - | 1 | 1 | MH277148 |
| Mb25 | - | - | - | - | 1 | 1 | MH277149 |
| Mb26 | - | 1 | - | - | - | 1 | MH277150 |
| Mb27 | - | 1 | - | - | - | 1 | MH277151 |
| Mb28 | - | 1 | - | - | - | 1 | MH277152 |
| Mb29 | - | 1 | - | - | - | 1 | MH277153 |
| Mb30 | - | 2 | - | - | - | 1 | MH277154 |
| Mb31 | - | 1 | - | - | - | 1 | MH277155 |
| Mb32 | - | 1 | - | - | - | 1 | MH277156 |
| Mb33 | - | 1 | - | - | - | 1 | MH277157 |
| Mb34 | - | 1 | - | - | - | 1 | MH277158 |
| Mb35 | - | 1 | - | - | - | 1 | MH277159 |
| Mb36 | - | 1 | - | - | - | 1 | MH277160 |
| Mb37 | - | - | - | 2 | - | 2 | MH277161 |
| Mb38 | - | - | - | 1 | - | 1 | MH277162 |
| Mb39 | - | - | - | 2 | - | 2 | MH277163 |
| Mb40 | - | - | - | 1 | - | 1 | MH277164 |
| Mb41 | - | - | - | 1 | - | 1 | MH277165 |
| Mb42 | - | - | - | 1 | - | 1 | MH277166 |
| Mb43 | - | - | - | 1 | - | 1 | MH277167 |
| Mb44 | - | - | - | 1 | - | 1 | MH277168 |
| Mb45 | - | - | - | 1 | - | 1 | MH277169 |
| Mb46 | - | - | - | 1 | - | 1 | MH277170 |
| Mb47 | 1 | - | - | - | - | 1 | MH277171 |
| Mb48 | - | - | 1 | - | - | 1 | MH277172 |
| Mb49 | - | - | - | - | 1 | 1 | MH277173 |
| Total | 21 | 19 | 20 | 16 | 19 | 94 |  |
| Private alleles | 9 | 10 | 7 | 8 | 5 | 39 |  |