**Supplementary Table 3.** Distribution of forty haplotypes (COI: 14, 16S: 28) found in 392 individuals of *Dissostichus mawsoni* collected from the 20 research blocks in two CCAMLR Subareas.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Haplotype** | **Accession No.** | | **Research Blocks** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **Total** | |
| **COI** | **16S** | | **58.4.1A** | | **58.4.1B** | | **58.4.1C** | | **58.4.1D** | | **58.4.1E** | | **58.4.1F** | | **58.4.1G** | | **58.4.2A** | | **58.4.2E** | | **58.5.2** | | **88.1I** | | **88.1K** | | **88.1RBH** | | **88.2RB1** | | **88.3RB1** | | **88.3RB2** | | **88.3RB3** | | **88.3RB4** | | **88.3RB5** | | **88.3RB6** | |
| ***Hap1*** | **MW684720** | **MW684734** | | 6 | | 9 | | 11 | | 2 | | 8 | | 15 | | 8 | | 8 | | 2 | | 9 | | 20 | | 16 | | 16 | | 15 | | 15 | | 12 | | 15 | | 18 | | 10 | | 20 | | 235 | |
| ***Hap2*** | **MW684720** | **MW684735** | | 2 | | 6 | | 2 | | 2 | | 4 | | 6 | | 5 | | 10 | | 1 | | 7 | | 7 | | 9 | | 7 | | 3 | | 4 | | 6 | | 8 | | 5 | | 3 | | 7 | | 104 | |
| ***Hap3*** | **MW684721** | **MW684735** | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | | 1 | |  | | 1 | | 1 | | 1 | |  | |  | |  | | 1 | |  | |  | | 6 | |
| ***Hap4*** | **MW684720** | **MW684736** | |  | | 1 | |  | |  | | 1 | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 3 | |
| ***Hap5*** | **MW684722** | **MW684734** | |  | |  | |  | | 1 | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 2 | |
| ***Hap6*** | **MW684720** | **MW684737** | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | | 2 | |
| ***Hap7*** | **MW684720** | **MW684738** | |  | |  | | 1 | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 2 | |
| ***Hap8*** | **MW684720** | **MW684739** | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | | 2 | |
| ***Hap9*** | **MW684720** | **MW684740** | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | | 2 | |
| ***Hap10*** | **MW684720** | **MW684741** | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 2 | |  | |  | |  | |  | |  | |  | |  | | 2 | |
| ***Hap11*** | **MW684720** | **MW684742** | |  | | 1 | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 2 | |
| ***Hap12*** | **MW684723** | **MW684734** | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 2 | |
| ***Hap13*** | **MW684724** | **MW684743** | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap14*** | **MW684720** | **MW684744** | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap15*** | **MW684720** | **MW684745** | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap16*** | **MW684720** | **MW684746** | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | | 1 | |
| ***Hap17*** | **MW684725** | **MW684735** | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap18*** | **MW684720** | **MW684747** | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | | 1 | |
| ***Hap19*** | **MW684720** | **MW684748** | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap20*** | **MW684720** | **MW684749** | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | | 1 | |
| ***Hap21*** | **MW684722** | **MW684735** | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap22*** | **MW684720** | **MW684750** | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap23*** | **MW684720** | **MW684751** | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap24*** | **MW684726** | **MW684752** | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap25*** | **MW684727** | **MW684734** | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | | 1 | |
| ***Hap26*** | **MW684728** | **MW684734** | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap27*** | **MW684720** | **MW684753** | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap28*** | **MW684720** | **MW684754** | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | | 1 | |
| ***Hap29*** | **MW684729** | **MW684734** | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap30*** | **MW684720** | **MW684755** | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap31*** | **MW684720** | **MW684756** | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap32*** | **MW684730** | **MW684734** | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap33*** | **MW684720** | **MW684757** | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | | 1 | |
| ***Hap34*** | **MW684731** | **MW684734** | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap35*** | **MW684720** | **MW684758** | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | | 1 | |
| ***Hap36*** | **MW684732** | **MW684734** | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap37*** | **MW684720** | **MW684759** | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap38*** | **MW684733** | **MW684734** | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap39*** | **MW684720** | **MW684760** | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |
| ***Hap40*** | **MW684720** | **MW684761** | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | 1 | |  | |  | |  | |  | |  | | 1 | |
| **Total** | | | | | 10 | | 20 | | 17 | | 6 | | 15 | | 24 | | 14 | | 25 | | 4 | | 20 | | 27 | | 28 | | 28 | | 21 | | 22 | | 19 | | 24 | | 24 | | 14 | | 30 | | 392 | |