**S3 Table.** **Haplotype frequencies of small abalone (*Haliotis diversicolor*) per populatio**n. Numbers in bold are private haplotypes.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | JW-W | JF-W | JS-W | TE-W | TH-W | TP-C | TM-C | TE-C | TK-C | TE-H |
| H\_1 | 0.182 | 0.063 | 0.130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_2 | **0.045** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_3 | 0.045 | 0.031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_4 | 0.045 | 0 | 0 | 0.083 | 0.031 | 0.148 | 0.034 | 0.259 | 0.208 | 0.125 |
| H\_5 | **0.091** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_6 | **0.045** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_7 | **0.045** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_8 | **0.045** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_9 | **0.045** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_10 | 0.045 | 0.156 | 0.130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_11 | **0.045** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_12 | **0.045** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_13 | **0.045** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_14 | **0.091** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_15 | **0.045** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_16 | 0.045 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.042 |
| H\_17 | **0.045** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_18 | 0 | **0.063** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_19 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_20 | 0 | 0.031 | 0.130 | 0.083 | 0 | 0.111 | 0.138 | 0 | 0 | 0.021 |
| H\_21 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_22 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_23 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_24 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_25 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_26 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_27 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_28 | 0 | **0.063** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_29 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_30 | 0 | 0.031 | 0 | 0.194 | 0.281 | 0.185 | 0.138 | 0.259 | 0.500 | 0.167 |
| H\_31 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_32 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_33 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_34 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_35 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_36 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_37 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_38 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_39 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_40 | 0 | 0 | **0.043** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_41 | 0 | 0 | **0.043** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_42 | 0 | 0 | **0.043** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_43 | 0 | 0 | **0.043** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_44 | 0 | 0 | **0.043** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_45 | 0 | 0 | **0.043** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_46 | 0 | 0 | **0.043** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_47 | 0 | 0 | **0.043** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_48 | 0 | 0 | **0.043** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_49 | 0 | 0 | **0.043** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_50 | 0 | 0 | **0.043** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_51 | 0 | 0 | **0.043** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_52 | 0 | 0 | **0.043** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_53 | 0 | 0 | **0.043** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_54 | 0 | 0 | 0 | 0.167 | 0.156 | 0.333 | 0.172 | 0.111 | 0 | 0.104 |
| H\_55 | 0 | 0 | 0 | **0.056** | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_56 | 0 | 0 | 0 | 0.056 | 0 | 0.037 | 0.034 | 0 | 0.042 | 0 |
| H\_57 | 0 | 0 | 0 | 0.028 | 0.031 | 0 | 0 | 0 | 0 | 0.042 |
| H\_58 | 0 | 0 | 0 | 0.028 | 0.031 | 0 | 0 | 0 | 0 | 0 |
| H\_59 | 0 | 0 | 0 | 0.028 | 0.063 | 0 | 0 | 0.037 | 0 | 0 |

**S3 Table** continued

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | JW-W | JF-W | JS-W | TE-W | TH-W | TP-C | TM-C | TE-C | TK-C | TE-H |
| H\_60 | 0 | 0 | 0 | **0.028** | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_61 | 0 | 0 | 0 | **0.028** | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_62 | 0 | 0 | 0 | **0.028** | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_63 | 0 | 0 | 0 | **0.028** | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_64 | 0 | 0 | 0 | **0.028** | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_65 | 0 | 0 | 0 | 0.028 | 0 | 0 | 0 | 0 | 0.042 | 0 |
| H\_66 | 0 | 0 | 0 | **0.028** | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_67 | 0 | 0 | 0 | **0.028** | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_68 | 0 | 0 | 0 | **0.028** | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_69 | 0 | 0 | 0 | 0.028 | 0 | 0.074 | 0 | 0 | 0 | 0 |
| H\_70 | 0 | 0 | 0 | 0.028 | 0.031 | 0 | 0 | 0 | 0 | 0.021 |
| H\_71 | 0 | 0 | 0 | 0.028 | 0.031 | 0 | 0 | 0.074 | 0 | 0.021 |
| H\_72 | 0 | 0 | 0 | **0.028** | 0 | 0 | 0 | 0 | 0 | 0 |
| H\_73 | 0 | 0 | 0 | 0 | 0.063 | 0 | 0 | 0 | 0 | 0.021 |
| H\_74 | 0 | 0 | 0 | 0 | 0.063 | 0 | 0.103 | 0.037 | 0 | 0.042 |
| H\_75 | 0 | 0 | 0 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 |
| H\_76 | 0 | 0 | 0 | 0 | 0.063 | 0.074 | 0.069 | 0.111 | 0.042 | 0.146 |
| H\_77 | 0 | 0 | 0 | 0 | **0.031** | 0 | 0 | 0 | 0 | 0 |
| H\_78 | 0 | 0 | 0 | 0 | 0 | 0.037 | 0.034 | 0 | 0 | 0 |
| H\_79 | 0 | 0 | 0 | 0 | 0 | 0 | **0.241** | 0 | 0 | 0 |
| H\_80 | 0 | 0 | 0 | 0 | 0 | 0 | **0.034** | 0 | 0 | 0 |
| H\_81 | 0 | 0 | 0 | 0 | 0 | 0 | **0.034** | 0 | 0 | 0 |
| H\_82 | 0 | 0 | 0 | 0 | 0 | 0 | **0.034** | 0 | 0 | 0 |
| H\_83 | 0 | 0 | 0 | 0 | 0 | 0 | 0.069 | 0 | 0 | 0.021 |
| H\_84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0.037** | 0 | 0 |
| H\_85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0.037** | 0 | 0 |
| H\_86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0.037** | 0 | 0 |
| H\_87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0.021** |
| H\_88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0.021** |
| H\_89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0.063** |
| H\_90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0.021** |
| H\_91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0.021** |
| H\_92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0.042** |
| H\_93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0.021** |
| H\_94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0.021** |