**Table S1.** Multi-locus genotypes of three litters of *Isurus oxyrinchus* examined in the present study. Sample name with M in the end indicates mother shark, with O indicating offspring

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| mple name | CA1XD | CATY9 | A96NC | IOX-30 | IOX12 | BIC01 | Iox-01 |
| No.1-M | 363 | 365 | 234 | 250 | 270 | 272 | 151 | 159 | 299 | 304 | 151 | 155 | 126 | 130 |
| 1-1-O | 363 | 368 | 234 | 234 | 270 | 272 | 151 | 151 | 304 | 306 | 151 | 161 | 130 | 156 |
| 1-2-O | 363 | 363 | 234 | 234 | 270 | 272 | 151 | 159 | 304 | 306 | 151 | 161 | 126 | 150 |
| 1-3-O | 365 | 368 | 234 | 234 | 272 | 272 | 151 | 151 | 299 | 306 | 151 | 153 | 126 | 130 |
| 1-4-O | 363 | 363 | 230 | 234 | 270 | 270 | 151 | 153 | 297 | 299 | 153 | 155 | 130 | 156 |
| 1-5-O | 365 | 368 | 234 | 250 | 272 | 272 | 151 | 159 | 304 | 306 | 151 | 161 | 130 | 148 |
| 1-6-O | 363 | 368 | 228 | 234 | 272 | 272 | 153 | 159 | 304 | 306 | 153 | 155 | 126 | 150 |
| 1-7-O | 363 | 363 | 230 | 250 | 270 | 272 | 153 | 159 | 297 | 299 | 155 | 161 | 130 | 150 |
| 1-8-O | 363 | 370 | 230 | 250 | 270 | 272 | 151 | 153 | 297 | 304 | 153 | 155 | 130 | 150 |
| 1-9-O | 365 | 368 | 234 | 250 | 270 | 272 | 151 | 159 | 297 | 299 | 151 | 153 | 130 | 150 |
| 1-10-O | 363 | 363 | 234 | 234 | 270 | 272 | 149 | 151 | 304 | 306 | 151 | 161 | 130 | 150 |
| 1-11-O | 363 | 363 | 230 | 234 | 270 | 270 | 153 | 159 | 297 | 299 | 151 | 161 | 126 | 130 |
| 1-12-O | 363 | 363 | 230 | 250 | 270 | 272 | 153 | 159 | 297 | 304 | 151 | 161 | 130 | 148 |
| 1-13-O | 363 | 368 | 234 | 250 | 270 | 272 | 151 | 159 | 297 | 299 | 151 | 161 | 126 | 156 |
| No.2-M | 378 | 404 | 239 | 239 | 270 | 270 | 149 | 161 | 306 | 306 | 151 | 157 | 150 | 170 |
| 2-1-O | 370 | 404 | 239 | 239 | 270 | 270 | 149 | 157 | 301 | 306 | 151 | 151 | 130 | 150 |
| 2-2-O | 378 | 398 | 239 | 239 | 270 | 274 | 147 | 161 | 299 | 306 | 157 | 157 | 144 | 170 |
| 2-3-O | 370 | 404 | 239 | 250 | 270 | 270 | 147 | 161 | 299 | 306 | 157 | 157 | 130 | 150 |
| 2-4-O | 398 | 404 | 239 | 239 | 270 | 270 | 147 | 161 | 306 | 310 | 151 | 151 | 144 | 150 |
| 2-5-O | 370 | 378 | 239 | 242 | 270 | 270 | 149 | 157 | 301 | 306 | 151 | 157 | 130 | 150 |
| 2-6-O | 370 | 378 | 239 | 239 | 270 | 270 | 149 | 155 | 306 | 306 | 157 | 157 | 130 | 150 |
| No.3-M | 371 | 374 | 234 | 250 | 272 | 278 | 142 | 155 | 301 | 306 | 151 | 157 | 130 | 142 |
| 3-1-O | 374 | 396 | 234 | 250 | 272 | 278 | 142 | 157 | 304 | 306 | 151 | 151 | 130 | 146 |
| 3-2-O | 362 | 371 | 230 | 234 | 265 | 278 | 155 | 155 | 306 | 306 | 151 | 151 | 130 | 142 |
| 3-3-O | 365 | 374 | 234 | 246 | 278 | 302 | 149 | 155 | 297 | 306 | 151 | 151 | 130 | 142 |
| 3-4-O | 365 | 374 | 239 | 250 | 270 | 272 | 155 | 155 | 301 | 308 | 151 | 151 | 134 | 142 |
| 3-5-O | 371 | 396 | 230 | 250 | 272 | 278 | 155 | 155 | 304 | 306 | 151 | 157 | 130 | 142 |
| 3-6-O | 374 | 396 | 230 | 234 | 272 | 278 | 155 | 155 | 306 | 306 | 151 | 157 | 130 | 142 |
| 3-7-O | 362 | 374 | 234 | 250 | 272 | 272 | 155 | 155 | 301 | 304 | 151 | 157 | 130 | 142 |
| 3-8-O | 371 | 379 | 239 | 250 | 270 | 278 | 155 | 155 | 301 | 308 | 151 | 151 | 130 | 142 |
| 3-9-O | 362 | 374 | 230 | 250 | 272 | 278 | 142 | 157 | 301 | 306 | 151 | 157 | 130 | 142 |
| 3-10-O | 364 | 371 | 239 | 250 | 272 | 300 | 149 | 155 | 306 | 308 | 151 | 157 | 134 | 142 |
| 3-11-O | 371 | 396 | 230 | 250 | 272 | 272 | 155 | 157 | 301 | 304 | 151 | 157 | 130 | 142 |
| 3-12-O | 362 | 374 | 230 | 250 | 265 | 278 | 155 | 155 | 301 | 306 | 151 | 157 | 130 | 146 |
| 3-13-O | 362 | 374 | 230 | 234 | 272 | 272 | 142 | 157 | 301 | 304 | 151 | 157 | 130 | 146 |