

Table S7. Matching nucleotide alignment of the blast hit results of sex-linked loci from the NCBI database.

| Species | Locus | Length (bp) | NCBI Hit | Query Cover | E-value | identity | start | end |
|---------------------------|----------|----------------|---|----------------|---------|----------|-------|-------|
| <i>A. jinjiangensis</i> | 1320445 | 320 | | 38% | 1e-19 | 83% | 16209 | 16392 |
| <i>A. tuberodepressus</i> | 131205 | 299 | | 97% | 2e-52 | 80.69% | 14107 | 14424 |
| <i>A. mantzorum</i> | 28208 | 299 | | 48% | 2e-33 | 86.11% | 12255 | 12398 |
| <i>A. mantzorum</i> | 207705 | 301 | | 41% | 6e-28 | 86.51% | 14112 | 14235 |
| <i>A. mantzorum</i> | 651335 | 298 | <i>Rana rugosa</i> | 38% | 2e-33 | 91.23% | 14107 | 14219 |
| <i>A. mantzorum</i> | 852213 | 304 | <i>CYP19A1</i> gene for | 38% | 8e-22 | 84.55% | 11703 | 11824 |
| <i>A. mantzorum</i> | 946208# | 280 | cytochrome | 95% | 6e-53 | 81.82% | 11703 | 11997 |
| <i>A. mantzorum</i> | 973436 | 298 | P-450 aromatase, | 58% | 2e-42 | 86.19% | 14247 | 14424 |
| <i>A. mantzorum</i> | 1306289 | 257 | promoter | 98% | 3e-60 | 84.13% | 14150 | 14419 |
| <i>A. mantzorum</i> | 1628703 | 270 | region and partial cds | 69% | 1e-39 | 89.36% | 14107 | 14246 |
| <i>A. mantzorum</i> | 1784854# | 299 | (AB379847.1) | 21% | 6e-13 | 92.06% | 14151 | 14212 |
| <i>A. xinduoqiao</i> | 546456 | 264 | | 90% | 9e-31 | 78.01% | 10170 | 10407 |
| <i>A. xinduoqiao</i> | 708316 | 265 | | 41% | 2e-27 | 88.70% | 10268 | 10382 |
| <i>A. xinduoqiao</i> | 376827 | 298 | | 33% | 2e-17 | 85.44% | 10245 | 10344 |
| <i>A. xinduoqiao</i> | 694936 | 298 | | 47% | 3e-11 | 77.08% | 10264 | 10407 |
| <i>A. wuyiensis</i> | 764303 | 298 | <i>Rana rugosa</i> <i>AR</i> gene for androgen receptor, promoter, partial sequence (AB491761.1) | 11% | 1e-04 | 97.14% | 612 | 646 |

Note: Locus with # represent sex-linked loci was consistent with those identified by Luo et al. 2020 [34].