**Supplementary Tables**

Supplemental Table Discrepancies between Da-Ae and Darmor-bzh assemblies. Discrepancy number, chromosome discrepancy is located on, type of discrepancy, data able to support Da-Ae’s composition, and action taken to resolve discrepancy.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Discrepancy** | **Chromosome** | **Type** | **Supported** | **Action taken** |
| 1 | A01 | Inversion | Yes | None |
| 2 | A02 | Inversion | No | Flipped |
| 3 | A02 | Duplication | Yes | None |
| 4 | A03 | Inversion | No | Flipped |
| 5 | A04 | Inversion | Yes | None |
| 6 | A05 | Inversion | No | Flipped |
| 7 | A06 | Inversion | Yes | None |
| 8 | A07 | Inversion | Yes | None |
| 9 | A08 | Inversion | Yes | None |
| 10 | A09 | Gap | Yes | None |
| 11 | A10 | Inversion | Yes | None |
| 12 | C01 | Inversion | No | Flipped |
| 13 | C02 | Inversion | Yes | None |
| 14 | C03 | Inversion | No | Flipped |
| 15 | C04 | Inversion | Yes | None |
| 16 | C05 | Inversion | No | Flipped |
| 17 | C05 | Inversion | Yes | None |
| 18 | C06 | Inversion and Gap | No | Flipped and Joined |
| 19 | C06 | Inversion | No | Flipped |
| 20 | C06 | Inversion | Yes | None |
| 21 | C07 | Gap | No | Joined |
| 22 | C07 | Inversion | Yes | None |
| 23 | C08 | Duplication | Yes | None |
| 24 | C09 | Inversion | Yes | None |