**Supplemental Materials**

**Table 1:**

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| --- | --- | --- |
| **Sr#** | **Primer Name/ Description** | **Primer Sequence** |
| **1** | *Nix* F/ Forward | AATGCTGAGATCAATGCAGAAT |
| **2** | *Nix* R/ Reverse | TGTGCAATTCGCTCTTCCGT |
| **3** | *dsx* F/ Forward | GCCGTGGTCAATGAATACTCAC |
| **4** | *dsx* F/ Forward | GCTGTTTAACGATAATAGCGAC |
| **5** | *dsx* R/ Reverse | CGCAATGGCATGCAAGCTACAG |
| **6** | *Sxl* F/ Forward | CTATTGTTTCATGGACTGAATC |
| **7** | *Sxl* R/ Reverse | GGAATACAATCCTCCTTCACG |

**Table 2:**

|  |  |  |
| --- | --- | --- |
| **Sr#** | **Target gene** | **gRNA Sequence** |
| **1** | *dsx* | 1. CGCAGTACGACGCGCCAGTCCGG |
| 2. CAATCGTTTCCGACATCGGTCGG |
| 3. TACACGTGGTAGCCCCAGAATGG |
| **2** | *Sxl* | 1. ATGTCGCACTCGCTTCCATCAGG |
| 2. GTCTTCGAACGTTATAGTCAAGG |

**Table 3:**

|  |  |  |
| --- | --- | --- |
| **Sr#** | **Target gene** | **Primers** |
| **1** | *dsx* | CGTGATACTGAAAGGCGCCGAC (F) |
| GGTTTATTCTTGTTTCGGTTCG (R) |
| **2** | *Sxl* | CTATTGTTTCATGGACTGAATC (F) |
| GGAATACAATCCTCCTTCACG (R) |