

**Table S1.** Contributions of the female (TDrOjuiyawo) and putative male (TDr9501932, TDr9902789 and TDr9902607) parents to progeny of family TDr1692

| Progeny         | TDr9501932   | TDr9902789 | TDr9902607   | TDrOjuiyawo* | Intercept | Status         |
|-----------------|--------------|------------|--------------|--------------|-----------|----------------|
| TDrOjuiyawo_39  | 0.00         | 0.00       | <b>61.90</b> | 9.14         | 23.70     | Hybrid         |
| TDrOjuiyawo_67  | 0.00         | 9.24       | <b>60.91</b> | 7.43         | 22.41     | Hybrid         |
| TDrOjuiyawo_91  | <b>58.87</b> | 0.00       | 12.46        | 4.86         | 23.80     | Hybrid         |
| TDrOjuiyawo_132 | <b>59.17</b> | 0.00       | 1.66         | 10.51        | 28.66     | Hybrid         |
| TDrOjuiyawo_159 | 0.00         | 21.03      | <b>41.04</b> | 8.49         | 22.37     | Hybrid         |
| TDrOjuiyawo_176 | <b>63.20</b> | 0.00       | 0.00         | 12.39        | 24.41     | Hybrid         |
| TDrOjuiyawo_52  | <b>63.51</b> | 0.00       | 8.30         | 2.28         | 25.91     | Hybrid         |
| TDrOjuiyawo_71  | 0.00         | 15.17      | <b>47.21</b> | 7.65         | 29.97     | Hybrid         |
| TDrOjuiyawo_93  | <b>62.56</b> | 0.00       | 1.84         | 11.68        | 23.91     | Hybrid         |
| TDrOjuiyawo_143 | <b>63.40</b> | 0.00       | 0.00         | 12.69        | 23.91     | Hybrid         |
| TDrOjuiyawo_160 | 0.00         | 9.64       | <b>55.21</b> | 7.28         | 25.83     | Hybrid         |
| TDrOjuiyawo_177 | <b>59.71</b> | 0.00       | 0.00         | 9.05         | 31.24     | Hybrid         |
| TDrOjuiyawo_53  | 0.00         | 11.01      | <b>58.17</b> | 3.18         | 27.65     | Hybrid         |
| TDrOjuiyawo_75  | 0.00         | 21.56      | <b>42.39</b> | 6.91         | 26.96     | Hybrid         |
| TDrOjuiyawo_96  | 0.00         | 15.98      | <b>53.28</b> | 7.17         | 23.57     | Hybrid         |
| TDrOjuiyawo_145 | <b>63.35</b> | 0.00       | 0.00         | 6.19         | 30.47     | Hybrid         |
| TDrOjuiyawo_163 | <b>45.55</b> | 0.00       | 12.32        | 6.66         | 33.10     | Hybrid         |
| TDrOjuiyawo_180 | <b>64.99</b> | 0.02       | 0.00         | 2.07         | 32.92     | Hybrid         |
| TDrOjuiyawo_54  | 0.00         | 10.93      | <b>46.79</b> | 5.86         | 35.90     | Hybrid         |
| TDrOjuiyawo_81  | 0.00         | 8.58       | <b>60.74</b> | 7.29         | 23.39     | Hybrid         |
| TDrOjuiyawo_97  | 0.00         | 15.00      | <b>46.88</b> | 15.80        | 21.87     | Hybrid         |
| TDrOjuiyawo_146 | 0.00         | 11.77      | <b>61.86</b> | 3.55         | 22.81     | Hybrid         |
| TDrOjuiyawo_167 | <b>63.48</b> | 0.00       | 0.00         | 6.39         | 30.13     | Hybrid         |
| TDrOjuiyawo_181 | 0.00         | 6.09       | <b>63.39</b> | 2.15         | 28.37     | Hybrid         |
| TDrOjuiyawo_17  | <b>65.48</b> | 0.00       | 0.02         | 7.78         | 26.73     | Hybrid         |
| TDrOjuiyawo_56  | <b>64.93</b> | 0.00       | 1.86         | 8.52         | 24.69     | Hybrid         |
| TDrOjuiyawo_82  | 0.00         | 5.26       | <b>60.39</b> | 12.09        | 22.26     | Hybrid         |
| TDrOjuiyawo_108 | 0.00         | 15.49      | <b>51.73</b> | 13.78        | 19.00     | Hybrid         |
| TDrOjuiyawo_150 | <b>63.30</b> | 0.00       | 5.19         | 4.69         | 26.82     | Hybrid         |
| TDrOjuiyawo_168 | 0.00         | 9.70       | <b>46.27</b> | 10.56        | 33.48     | Hybrid         |
| TDrOjuiyawo_185 | <b>61.57</b> | 0.00       | 7.97         | 3.36         | 27.10     | Hybrid         |
| TDrOjuiyawo_19  | <b>66.39</b> | 0.00       | 0.00         | 7.42         | 26.20     | Hybrid         |
| TDrOjuiyawo_60  | 0.00         | 6.07       | <b>53.91</b> | 6.13         | 29.10     | Hybrid         |
| TDrOjuiyawo_85  | 0.00         | 3.41       | <b>59.11</b> | 4.99         | 32.49     | Hybrid         |
| TDrOjuiyawo_113 | 0.00         | 14.17      | <b>53.05</b> | 11.40        | 21.38     | Hybrid         |
| TDrOjuiyawo_151 | <b>59.84</b> | 0.00       | 7.26         | 2.54         | 28.34     | Hybrid         |
| TDrOjuiyawo_169 | 0.00         | 4.72       | <b>56.62</b> | 8.68         | 29.98     | Hybrid         |
| TDrOjuiyawo_162 | <b>66.10</b> | 0.00       | 0.51         | 8.86         | 24.53     | Hybrid         |
| TDrOjuiyawo_33  | <b>64.12</b> | 0.00       | 0.00         | 8.00         | 27.88     | Hybrid         |
| TDrOjuiyawo_61  | 0.00         | 14.74      | <b>48.60</b> | 11.21        | 25.45     | Hybrid         |
| TDrOjuiyawo_88  | 0.00         | 11.61      | <b>53.53</b> | 8.76         | 24.11     | Hybrid         |
| TDrOjuiyawo_116 | 0.00         | 0.00       | 0.00         | 10.72        | 26.30     | <b>Outlier</b> |
| TDrOjuiyawo_155 | 0.00         | 14.68      | <b>45.87</b> | 13.94        | 25.51     | Hybrid         |
| TDrOjuiyawo_171 | 0.00         | 21.48      | <b>51.25</b> | 4.47         | 22.80     | Hybrid         |
| TDrOjuiyawo_35  | 0.00         | 12.15      | <b>60.46</b> | 2.79         | 24.60     | Hybrid         |
| TDrOjuiyawo_64  | <b>61.97</b> | 0.00       | 4.18         | 8.92         | 24.33     | Hybrid         |
| TDrOjuiyawo_89  | 0.00         | 9.22       | <b>55.03</b> | 8.51         | 24.78     | Hybrid         |
| TDrOjuiyawo_129 | <b>63.48</b> | 0.00       | 0.00         | 8.95         | 27.57     | Hybrid         |
| TDrOjuiyawo_157 | <b>58.22</b> | 0.00       | 5.29         | 5.54         | 30.94     | Hybrid         |
| TDrOjuiyawo_173 | 0.00         | 18.19      | <b>49.11</b> | 7.31         | 25.40     | Hybrid         |

\* wrong female sample collected making the intercept value higher than female of all progeny developed