**APPENDIX 3. Characteristics of EST-SSR polymorphism data.**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Population | Un1398 | Un3735 | Un26568 | Un26825 | Un27084 | Un27221 | Un27382 | Un35051 | Un28224 | Un23581 |
| ZGM | AC | AB | AA | AB | AA | AC | AB | AA | AA | AB |
| ZGM | AC | AA | AA | AA | AB | AA | AB | .. | AA | AB |
| ZGM | AC | AA | AA | AB | AB | AC | AB | AA | AA | AB |
| HXM | AC | AA | AA | AB | AB | AA | AB | .. | AA | AB |
| HXM | AC | AA | AA | AB | AA | AD | AA | .. | AA | .. |
| HXM | AC | AA | AA | AB | AB | AD | AA | .. | AA | .. |
| HZM | AB | AA | AA | AB | AA | AB | AB | .. | AC | AA |
| HZM | AB | AA | AA | AB | AA | ED | AB | .. | AC | BC |
| HZM | AB | AA | AA | AB | AA | AF | AB | .. | AC | BC |
| MXM | AD | AA | AA | AB | AA | AF | AB | AA | AC | BB |
| MXM | AD | AA | AA | AB | AA | AF | AB | AA | AA | BB |
| MXM | AD | AA | AA | AB | AA | GF | AA | AA | AC | BB |
| MXM | AD | AB | AD | AB | AB | GF | AB | AA | AC | BB |
| MXM | AD | AB | AD | AB | AB | AF | AB | AB | AC | BB |
| MXM | AD | AA | AA | AB | AA | AA | AB | AB | AC | BB |
| JSM | AB | AA | AA | AD | AA | HH | AB | AB | AB | AB |
| JSM | AB | AA | AA | AD | AA | .. | AB | AB | AB | AB |
| JSM | AB | AA | AA | AD | AC | HD | AB | AB | AB | AB |
| GSM | AB | AA | AA | AA | .. | AA | AA | AA | AB | .. |
| GSM | AB | AA | AA | AA | .. | AL | AA | AB | AB | .. |
| GSM | AB | AA | AA | AA | .. | AH | AA | AB | AB | .. |
| LTM | AB | AA | AA | AA | AC | AL | AB | AB | AB | .. |
| LTM | AB | AA | AA | AA | AC | AA | AB | AB | AB | .. |
| LTM | AB | AA | AA | AA | AC | AA | AB | AB | AB | .. |
| GNM | AA | AA | AA | AA | .. | RR | CC | AB | AB | .. |
| GNM | AA | AA | AA | AA | .. | RR | CC | AB | AB | .. |
| GNM | AA | AA | AA | AA | .. | .. | .. | AA | AB | .. |
| GNM | AB | AA | AA | AB | .. | ED | AA | AB | AC | AA |
| GNM | AB | AA | AA | AA | .. | HH | AB | AB | AB | AA |
| GNM | AB | AA | AA | AA | .. | HH | AB | AB | AB | AA |
| GND | AC | AA | AB | AB | .. | EM | CD | AB | AB | AA |
| GND | AC | AA | AB | AB | AA | EF | CD | AB | AB | .. |
| GND | AC | AA | AB | AB | AA | MF | CD | AB | AB | AA |
| XDD | AC | AA | AB | AA | AB | EK | CE | AB | AB | EC |
| XDD | AC | AC | AB | AA | AB | AA | CF | AB | AB | EC |
| XDD | AC | AC | AB | AA | AB | AK | CC | AB | AB | EC |
| LTD | AC | AA | AA | AA | AB | AN | AD | AB | AB | AF |
| LTD | AC | AA | AB | AA | AB | AQ | AD | AB | AB | AF |
| LTD | AC | AA | AB | AA | AB | AA | AD | AB | AB | AF |
| LTD | AC | AA | AB | AA | AB | EE | CC | AB | AB | AA |
| GSD | AC | AA | AC | AB | .. | EL | CC | AB | AB | .. |
| GSD | AC | AA | AB | AB | .. | AA | CE | AB | AB | .. |
| GSD | AC | AA | AB | AB | .. | EK | CG | AB | AB | AA |
| JSD | AC | AA | AB | AA | .. | EK | CC | AB | AB | .. |
| JSD | AC | AA | AB | AA | .. | AF | CE | AB | AB | .. |
| JSD | AC | AA | AB | AA | .. | AK | CC | AB | AB | .. |
| HZG | AA | AB | AA | AA | AB | AB | AA | AA | EB | AA |
| HZG | .. | AC | BB | AA | AA | CC | AA | AA | AA | AA |
| HZG | .. | DD | AA | AA | AA | AD | AA | AA | AB | AB |
| HZG | BC | AE | BB | AA | AA | AA | AA | AA | AC | AC |
| HZG | AA | FG | AA | AA | CC | .. | AA | AA | EE | AB |
| HZG | .. | AB | BB | AA | CC | EF | AA | AB | AB | AA |
| HZG | .. | HH | BB | AA | DD | AA | AA | AA | EE | AA |
| HZG | AA | AD | BB | AA | CB | AF | AC | AB | EE | AB |
| HZG | BB | AE | AA | AA | EA | .. | AA | AC | AC | AB |
| HZG | AA | AA | BB | AA | EE | AD | AB | AC | AB | AD |
| HZG | BB | AE | BB | AA | FC | AA | AB | AB | AC | AD |
| HZG | BB | AB | BB | AA | FC | AA | AA | AD | FD | AA |
| HZG | .. | AE | BB | AA | AA | AA | AA | AE | FD | AA |
| HZG | .. | AG | BB | AA | AA | AA | AA | AA | FF | AA |
| HZG | .. | . . | BB | AA | .. | ED | AA | AD | AG | AA |
| HZG | BB | .. | AA | AA | .. | AA | AB | AF | EG | AA |
| HZG | BB | AC | AA | AB | AA | AA | AA | AE | EE | AA |
| HZG | BB | AG | AA | AA | .. | .. | AB | AA | EE | AA |
| HZG | BB | .. | AA | AA | .. | .. | AA | AA | AA | AA |
| HZG | BB | AD | AA | AA | .. | AA | AA | AA | AG | AA |
| HZG | AI | FA | BB | AA | AA | KL | AC | AJ | EB | AA |
| HZG | AI | FA | BB | AA | AA | KL | AC | AJ | EE | AA |
| HZG | BB | FA | AA | AG | FA | AA | AC | AA | .. | AA |
| HZG | AA | AC | AA | AG | AB | AA | AC | AK | .. | AA |
| HZG | AA | FF | AA | AG | AA | AD | AA | AL | .. | AA |
| HZG | BB | AC | BB | AG | AA | AL | AC | AM | FB | AA |
| QZG | .. | IJ | BB | AA | AA | GG | AA | AC | AA | AE |
| QZG | .. | KK | AA | AA | AG | HH | AA | AA | EH | GF |
| QZG | .. | KL | AA | AA | AG | AA | AC | AA | EH | AC |
| QZG | .. | KJ | AA | AA | AA | AA | AA | .. | EI | AC |
| QZG | .. | KJ | BB | AA | AA | AA | AA | AA | EE | AA |
| QZG | .. | KJ | AA | AA | .. | AD | AA | AC | EE | AA |
| QZG | .. | KJ | AA | AA | AA | AA | AA | AA | EE | AA |
| QZG | DD | . . | AA | AA | .. | .. | AC | AC | EH | AC |
| QZG | DD | . . | AA | AA | AA | .. | AA | AA | EH | AA |
| QZG | DD | . . | AA | AA | AA | AA | AC | AA | JJ | AA |
| QZG | .. | MM | AA | AA | AG | AA | AA | AA | JJ | AB |
| QZG | .. | . . | BB | AA | AG | ID | AA | AA | JJ | AA |
| QZG | BB | . . | BB | AA | AG | .. | AC | AC | FF | AA |
| QZG | .. | KJ | BB | AA | FA | .. | AA | AC | EH | AC |
| QZG | DD | .. | BB | AA | FA | .. | AA | AC | EH | AE |
| QZG | BB | MM | AA | AA | FA | .. | AA | AC | EE | GG |
| QZG | .. | .. | AA | AA | .. | .. | .. | AA | EH | .. |
| QZG | DD | .. | AA | AA | .. | .. | AA | AA | AK | AA |
| QZG | .. | DD | AA | AA | .. | .. | .. | AA | AK | .. |
| QZG | .. | KJ | AA | AA | .. | .. | AC | AA | AK | AA |
| QZG | BB | .. | AC | AG | AA | AA | AA | AC | FF | AA |
| QZG | AA | .. | BB | AG | AA | MJ | AC | AC | FF | AA |
| QZG | AA | .. | BB | AG | AA | AA | AA | AC | JJ | .. |
| QZG | BB | .. | .. | AA | AA | AA | AA | AC | JJ | .. |
| QZG | BB | .. | .. | AG | AA | .. | AA | AC | JJ | .. |
| QZG | BB | .. | BB | AG | .. | AA | AA | AC | JJ | IF |
| BMG | .. | IJ | AA | AA | AA | .. | AA | AA | AK | AA |
| BMG | .. | KJ | AA | AA | AA | .. | AA | AA | FF | AA |
| BMG | .. | .. | .. | AA | .. | .. | AC | AA | .. | .. |
| BMG | .. | KK | AA | AA | AA | .. | AA | AA | .. | .. |
| BMG | .. | .. | AA | AA | .. | .. | AA | AA | .. | AA |
| BMG | .. | .. | .. | AA | .. | .. | AA | AA | .. | AA |
| BMG | AE | .. | AA | AA | .. | .. | AA | .. | .. | .. |
| BMG | .. | .. | .. | AA | .. | .. | AA | AA | .. | AA |
| BMG | AA | .. | AA | AD | AB | AA | AA | GA | JJ | AC |
| BMG | AA | .. | .. | AD | .. | .. | AA | AA | .. | AA |
| BMG | .. | .. | .. | AA | .. | .. | AA | AA | .. | AA |
| BMG | DD | .. | .. | AD | .. | AA | AA | GA | .. | AA |
| BMG | AA | .. | .. | AD | AA | AA | AA | AB | .. | AA |
| BMG | AA | KC | BB | AD | FA | AA | AA | AB | FF | AA |
| BMG | AA | .. | BB | AD | AA | AA | AA | AB | FF | AA |
| BMG | AA | .. | BB | AA | AA | AA | AA | AB | FF | AC |
| BMG | BB | .. | BB | AA | AA | AA | AA | AB | .. | AA |
| BMG | AA | KJ | BB | AD | FA | GG | AC | AH | FC | AA |
| BMG | DD | KJ | BB | AD | AA | AF | AA | AH | FC | AA |
| BMG | AA | KC | BB | AD | AA | ID | AA | AH | FF | AC |
| DRG | AA | NK | BB | AD | AA | AA | AA | AH | FF | AC |
| DRG | AA | NK | BB | AD | AA | .. | AC | AA | .. | AA |
| DRG | AA | .. | AA | AA | AA | .. | AA | AH | .. | AA |
| DRG | AA | KG | AA | AA | AA | AA | AD | AA | FF | AA |
| DRG | AA | .. | AA | AA | CB | AA | AD | AA | FF | AC |
| DRG | BB | .. | AA | AA | AA | AA | AA | AA | FF | AA |
| DRG | DG | KG | .. | AA | AA | AA | AD | AA | .. | AC |
| DRG | AA | KG | AA | AA | AA | II | AA | AA | .. | AC |
| DRG | AA | MD | .. | AD | AA | AA | AC | AA | .. | AC |
| DRG | DD | DD | .. | AA | .. | .. | AA | AA | .. | AA |
| DRG | AA | DD | .. | AA | AB | .. | AA | AC | JJ | AA |
| DRG | BB | DD | .. | AA | AA | .. | AA | AA | JJ | AA |
| DRG | DD | DD | AA | AA | AA | .. | AA | AA | HJ | AA |
| DRG | AA | DD | AA | AA | AA | .. | AA | AA | .. | AA |
| DRG | BB | .. | .. | AA | .. | .. | AA | AA | .. | AA |
| DRG | BB | .. | .. | AA | .. | .. | AA | AA | .. | AA |
| DRG | AA | .. | .. | EF | .. | .. | AB | AA | HH | AA |
| DRG | BB | MM | .. | AA | .. | .. | AA | AA | .. | AA |
| DRG | AA | .. | .. | AA | AA | .. | AB | AA | .. | AA |
| DRG | BB | .. | .. | AA | .. | .. | AA | AA | .. | AA |