

Table S17 Parentage analysis of 158 Asian elephant (*Elephas maximus*, Linnaeus, 1758) individuals in National Elephant Institute of Thailand, Maetaeng Elephant Park, and Baan Chang Elephant Park. Detailed information on all Asian elephant individuals is presented in Table S1.

| FullSibship Index | Prob (Inc.) | Prob (Exc.) | Member 1 | Member 2 | Member 3 |
|-------------------|-------------|-------------|----------|----------|----------|
| 1 | 1 | 0.9515 | EMA1 | EMA2 | |
| 2 | 0.9623 | 0.3115 | EMA3 | EMA13 | |
| 3 | 1 | 0.5486 | EMA4 | EMA18 | |
| 4 | 0.9991 | 0.9991 | EMA5 | EMA15 | |
| 5 | 1 | 0.2953 | EMA6 | EMA7 | |
| 6 | 1 | 0.0629 | EMA8 | | |
| 7 | 0.6994 | 0.6994 | EMA9 | EMA24 | |
| 8 | 1 | 0.1189 | EMA10 | | |
| 9 | 1 | 0.1739 | EMA11 | | |
| 10 | 1 | 0.5494 | EMA12 | EMA22 | |
| 11 | 1 | 0.7305 | EMA14 | EMA20 | |
| 12 | 0.6726 | 0.6726 | EMA16 | EMA19 | |
| 13 | 1 | 0.0538 | EMA17 | | |
| 14 | 1 | 0.1675 | EMA21 | | |
| 15 | 1 | 0.301 | EMA23 | | |
| 16 | 1 | 0.5393 | EMA25 | EMA27 | |
| 17 | 0.5561 | 0.5561 | EMA26 | EMA29 | |
| 18 | 1 | 0.1092 | EMA28 | | |
| 19 | 1 | 1 | EMA30 | EMA68 | |
| 20 | 1 | 1 | EMA31 | EMA32 | |
| 21 | 1 | 0.9999 | EMA33 | EMA62 | |
| 22 | 0.863 | 0.4206 | EMA34 | EMA65 | |
| 23 | 1 | 0.1219 | EMA35 | | |
| 24 | 1 | 0.2419 | EMA36 | | |
| 25 | 1 | 0.9982 | EMA37 | EMA42 | |
| 26 | 1 | 0.0984 | EMA38 | | |
| 27 | 1 | 0.0824 | EMA39 | | |
| 28 | 1 | 0.9513 | EMA40 | EMA41 | |
| 29 | 1 | 0.2789 | EMA43 | | |
| 30 | 1 | 0.9974 | EMA44 | EMA45 | |
| 31 | 1 | 0.1155 | EMA46 | | |
| 32 | 1 | 0.2794 | EMA47 | EMA50 | |
| 33 | 1 | 0.549 | EMA48 | EMA58 | |
| 34 | 1 | 0.1251 | EMA49 | | |
| 35 | 1 | 0.1233 | EMA51 | | |
| 36 | 1 | 0.3181 | EMA52 | EMA60 | |
| 37 | 1 | 0.4719 | EMA53 | EMA64 | |
| 38 | 1 | 1 | EMA54 | EMA55 | |
| 39 | 1 | 0.0923 | EMA56 | | |

| FullSibship Index | Prob (Inc.) | Prob (Exc.) | Member 1 | Member 2 | Member 3 |
|-------------------|-------------|-------------|----------|----------|----------|
| 40 | 1 | 0.0703 | EMA57 | | |
| 41 | 1 | 0.0867 | EMA59 | | |
| 42 | 1 | 0.5474 | EMA61 | EMA63 | |
| 43 | 1 | 0.5416 | EMA66 | EMA67 | |
| 44 | 1 | 0.8732 | EMA69 | EMA70 | |
| 45 | 1 | 0.1794 | EMA71 | | |
| 46 | 1 | 0.8681 | EMA72 | | |
| 47 | 1 | 0.9816 | EMAF1 | EMAF3 | |
| 48 | 1 | 0.9332 | EMAF2 | EMAF42 | |
| 49 | 0.7764 | 0.7701 | EMAF4 | EMAF6 | EMAF18 |
| 50 | 0.9787 | 0.7426 | EMAF5 | EMAF7 | |
| 51 | 0.368 | 0.368 | EMAF8 | EMAF26 | |
| 52 | 0.9919 | 0.9898 | EMAF9 | EMAF21 | |
| 53 | 1 | 0.9718 | EMAF10 | EMAF25 | |
| 54 | 1 | 0.9994 | EMAF11 | EMAF33 | |
| 55 | 1 | 0.0924 | EMAF12 | | |
| 56 | 0.9338 | 0.9338 | EMAF13 | EMAF15 | EMAF17 |
| 57 | 1 | 0.9993 | EMAF14 | EMAF20 | |
| 58 | 1 | 0.9508 | EMAF16 | EMAF29 | EMAF31 |
| 59 | 0.6253 | 0.5899 | EMAF19 | EMAF46 | |
| 60 | 0.9751 | 0.448 | EMAF22 | EMAF23 | |
| 61 | 1 | 0.0797 | EMAF24 | | |
| 62 | 1 | 0.0933 | EMAF27 | | |
| 63 | 1 | 0.1222 | EMAF28 | | |
| 64 | 1 | 0.5844 | EMAF30 | EMAF45 | |
| 65 | 1 | 0.2086 | EMAF32 | | |
| 66 | 1 | 0.1424 | EMAF34 | | |
| 67 | 1 | 0.549 | EMAF35 | EMAF36 | |
| 68 | 1 | 0.0937 | EMAF37 | | |
| 69 | 1 | 0.4467 | EMAF38 | EMAF40 | |
| 70 | 1 | 0.1141 | EMAF39 | | |
| 71 | 1 | 0.1526 | EMAF41 | | |
| 72 | 1 | 0.0985 | EMAF43 | | |
| 73 | 1 | 0.0941 | EMAF44 | | |
| 74 | 0.9711 | 0.8911 | EMAI1 | EMAI2 | |
| 75 | 1 | 0.1741 | EMAI3 | | |
| 76 | 0.9883 | 0.9883 | EMAI4 | EMAI32 | |
| 77 | 0.5273 | 0.5272 | EMAI5 | EMAI19 | |
| 78 | 0.671 | 0.6709 | EMAI6 | EMAI7 | |
| 79 | 1 | 1 | EMAI8 | EMAI12 | |
| 80 | 0.8934 | 0.8934 | EMAI9 | EMAI16 | |
| 81 | 1 | 0.0954 | EMAI10 | | |
| 82 | 1 | 0.1033 | EMAI11 | | |

| FullSibship Index | Prob (Inc.) | Prob (Exc.) | Member 1 | Member 2 | Member 3 |
|-------------------|-------------|-------------|----------|----------|----------|
| 83 | 1 | 0.9991 | EMAI13 | EMAI17 | |
| 84 | 1 | 0.0994 | EMAI14 | | |
| 85 | 1 | 1 | EMAI15 | EMAI18 | EMAI31 |
| 86 | 1 | 0.1573 | EMAI20 | | |
| 87 | 1 | 0.9344 | EMAI21 | EMAI29 | |
| 88 | 1 | 0.5484 | EMAI22 | EMAI23 | |
| 89 | 1 | 0.0994 | EMAI24 | | |
| 90 | 1 | 0.415 | EMAI25 | | |
| 91 | 1 | 0.1714 | EMAI26 | | |
| 92 | 1 | 0.0737 | EMAI27 | | |
| 93 | 1 | 0.1152 | EMAI28 | | |
| 94 | 1 | 0.1876 | EMAI30 | | |
| 95 | 1 | 0.9917 | EMAI33 | EMAI36 | |
| 96 | 1 | 0.5493 | EMAI34 | EMAI37 | EMAI39 |
| 97 | 1 | 0.9781 | EMAI35 | EMAI40 | |
| 98 | 1 | 0.095 | EMAI38 | | |