**S5 Table. Comparison of top 10 rankings based on genomic estimated breeding value (one evaluation stage) or on estimated breeding value (four stages) for harvest index (HI, in %).**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Correlation between GEBVs (one stage genomic analysis) and EBVs (four stages pedigree analysis) = 0.84 | | | | | | | |
| Genomic analysis – One stage | | | | Pedigree analysis – Four stages | | | |
| Clone | GEBV | Male genitor | Female genitor | Clone | EBV | Male genitor | Female genitor |
| 2012\_108\_034 | 89.61 | Fécula Branca | BRS Formosa | 2012\_108\_179 | 88.56 | Fécula Branca | BRS Formosa |
| 2012\_108\_179 | 88.78 | 2012\_108\_021 | 88.24 |
| 2012\_108\_205 | 88.69 | 2012\_108\_034 | 86.49 |
| 2012\_108\_149 | 88.38 | 2012\_108\_149 | 86.44 |
| 2012\_108\_021 | 88.12 | 2012\_108\_205 | 86.25 |
| 2012\_108\_144 | 88.00 | 2012\_108\_029 | 86.15 |
| 2012\_108\_187 | 87.46 | 2012\_108\_162 | 86.12 |
| 2012\_108\_006 | 87.20 | 2012\_108\_143 | 85.14 |
| 2012\_108\_035 | 86.92 | 2012\_108\_006 | 84.87 |
| 2012\_108\_162 | 86.91 | 2012\_108\_161 | 84.85 |