Table S19: Spearman correlation between all biological replicate pairs of the same genotype.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Genotype | Tissue | BioRep1 | BioRep2 | Correlation |
| B73\_TI01 | Ear | B73\_TI01\_2\_PL0006 | B73\_TI01\_3\_PL0004 | 0.953 |
| B73\_TI03 | Ear | B73\_TI03\_1\_PL0004 | B73\_TI03\_4\_PL0006 | 0.974 |
| B73\_TI05 | Ear | B73\_TI05\_12\_PL0003 | B73\_TI05\_5\_PL0006 | 0.966 |
| B73\_TI09 | Ear | B73\_TI09\_1\_PL0001 | B73\_TI09\_8\_PL0003 | 0.976 |
| B73\_TI11 | Ear | B73\_TI11\_4\_PL0004 | B73\_TI11\_6\_PL0003 | 0.973 |
| B73\_TI14 | Ear | B73\_TI14\_11\_PL0001 | B73\_TI14\_3\_PL0001 | 0.970 |
| B73\_TI14 | Ear | B73\_TI14\_11\_PL0001 | B73\_TI14\_7\_PL0001 | 0.968 |
| B73\_TI14 | Ear | B73\_TI14\_11\_PL0001 | B73\_TI14\_9\_PL0001 | 0.973 |
| B73\_TI14 | Ear | B73\_TI14\_3\_PL0001 | B73\_TI14\_7\_PL0001 | 0.974 |
| B73\_TI14 | Ear | B73\_TI14\_3\_PL0001 | B73\_TI14\_9\_PL0001 | 0.965 |
| B73\_TI14 | Ear | B73\_TI14\_7\_PL0001 | B73\_TI14\_9\_PL0001 | 0.962 |
| B73\_TI25 | Ear | B73\_TI25\_10\_PL0004 | B73\_TI25\_11\_PL0002 | 0.979 |
| B73\_TI25 | Ear | B73\_TI25\_10\_PL0004 | B73\_TI25\_14\_PL0001 | 0.975 |
| B73\_TI25 | Ear | B73\_TI25\_10\_PL0004 | B73\_TI25\_4\_PL0001 | 0.977 |
| B73\_TI25 | Ear | B73\_TI25\_11\_PL0002 | B73\_TI25\_14\_PL0001 | 0.978 |
| B73\_TI25 | Ear | B73\_TI25\_11\_PL0002 | B73\_TI25\_4\_PL0001 | 0.978 |
| B73\_TI25 | Ear | B73\_TI25\_14\_PL0001 | B73\_TI25\_4\_PL0001 | 0.979 |
| CML103\_TI03 | Ear | CML103\_TI03\_2\_PL0001 | CML103\_TI03\_9\_PL0004 | 0.957 |
| CML103\_TI11 | Ear | CML103\_TI11\_11\_PL0004 | CML103\_TI11\_13\_PL0003 | 0.977 |
| CML103\_TI14 | Ear | CML103\_TI14\_12\_PL0004 | CML103\_TI14\_6\_PL0001 | 0.970 |
| CML103\_TI25 | Ear | CML103\_TI25\_1\_PL0002 | CML103\_TI25\_12\_PL0002 | 0.975 |
| Ki3\_TI03 | Ear | Ki3\_TI03\_10\_PL0002 | NA | a |
| Ki3\_TI09 | Ear | Ki3\_TI09\_14\_PL0002 | Ki3\_TI09\_6\_PL0004 | 0.967 |
| Ki3\_TI11 | Ear | Ki3\_TI11\_7\_PL0003 | Ki3\_TI11\_9\_PL0002 | 0.981 |
| Ki3\_TI14 | Ear | Ki3\_TI14\_11\_PL0003 | Ki3\_TI14\_3\_PL0002 | 0.975 |
| Mo17\_TI09 | Ear | Mo17\_TI09\_13\_PL0001 | Mo17\_TI09\_13\_PL0004 | 0.974 |
| Mo17\_TI09 | Ear | Mo17\_TI09\_13\_PL0001 | Mo17\_TI09\_5\_PL0001 | 0.975 |
| Mo17\_TI09 | Ear | Mo17\_TI09\_13\_PL0004 | Mo17\_TI09\_5\_PL0001 | 0.971 |
| Mo17\_TI14 | Ear | Mo17\_TI14\_7\_PL0002 | Mo17\_TI14\_7\_PL0004 | 0.975 |
| Oh43\_TI01 | Ear | Oh43\_TI01\_9\_PL0003 | NA | a |
| Oh43\_TI03 | Ear | Oh43\_TI03\_5\_PL0004 | NA | a |
| Oh43\_TI09 | Ear | Oh43\_TI09\_14\_PL0003 | Oh43\_TI09\_8\_PL0004 | 0.974 |
| Oh43\_TI10 | Ear | Oh43\_TI10\_1\_PL0003 | Oh43\_TI10\_1\_PL0006 | 0.982 |
| Oh43\_TI11 | Ear | Oh43\_TI11\_10\_PL0001 | Oh43\_TI11\_13\_PL0006 | 0.847 |
| Oh43\_TI11 | Ear | Oh43\_TI11\_10\_PL0001 | Oh43\_TI11\_8\_PL0001 | 0.975 |
| Oh43\_TI11 | Ear | Oh43\_TI11\_13\_PL0006 | Oh43\_TI11\_8\_PL0001 | 0.850 |
| Oh43\_TI15 | Ear | Oh43\_TI15\_12\_PL0001 | Oh43\_TI15\_5\_PL0003 | 0.974 |
| Oh43\_TI25 | Ear | Oh43\_TI25\_13\_PL0002 | Oh43\_TI25\_2\_PL0002 | 0.976 |
| Oh43\_TI25 | Ear | Oh43\_TI25\_13\_PL0002 | Oh43\_TI25\_8\_PL0002 | 0.983 |
| Oh43\_TI25 | Ear | Oh43\_TI25\_2\_PL0002 | Oh43\_TI25\_8\_PL0002 | 0.981 |
| W22\_TI01 | Ear | W22\_TI01\_2\_PL0003 | W22\_TI01\_4\_PL0002 | 0.970 |
| W22\_TI03 | Ear | W22\_TI03\_3\_PL0003 | W22\_TI03\_6\_PL0002 | 0.974 |
| W22\_TI11 | Ear | W22\_TI11\_2\_PL0004 | W22\_TI11\_4\_PL0003 | 0.974 |
| W22\_TI14 | Ear | W22\_TI14\_10\_PL0003 | NA | a |
| W22\_TI25 | Ear | W22\_TI25\_14\_PL0004 | W22\_TI25\_5\_PL0002 | 0.972 |
| B73\_TI01 | Leaf | B73\_TI01\_1\_PL0009 | B73\_TI01\_13\_PL0005 | 0.930 |
| B73\_TI03 | Leaf | B73\_TI03\_10\_PL0005 | NA | a |
| B73\_TI05 | Leaf | B73\_TI05\_6\_PL0006 | B73\_TI05\_9\_PL0009 | 0.964 |
| B73\_TI09 | Leaf | B73\_TI09\_8\_PL0007 | B73\_TI09\_9\_PL0005 | 0.908 |
| B73\_TI11 | Leaf | B73\_TI11\_4\_PL0008 | B73\_TI11\_5\_PL0009 | 0.935 |
| B73\_TI14 | Leaf | B73\_TI14\_1\_PL0007 | B73\_TI14\_2\_PL0005 | 0.930 |
| B73\_TI25 | Leaf | B73\_TI25\_10\_PL0009 | B73\_TI25\_12\_PL0005 | 0.940 |
| B73\_TI25 | Leaf | B73\_TI25\_10\_PL0009 | B73\_TI25\_7\_PL0006 | 0.947 |
| B73\_TI25 | Leaf | B73\_TI25\_12\_PL0005 | B73\_TI25\_7\_PL0006 | 0.879 |
| CML103\_TI03 | Leaf | CML103\_TI03\_5\_PL0007 | CML103\_TI03\_7\_PL0005 | 0.959 |
| CML103\_TI11 | Leaf | CML103\_TI11\_11\_PL0009 | CML103\_TI11\_8\_PL0006 | 0.956 |
| CML103\_TI14 | Leaf | CML103\_TI14\_12\_PL0009 | CML103\_TI14\_9\_PL0006 | 0.964 |
| CML103\_TI25 | Leaf | CML103\_TI25\_3\_PL0009 | CML103\_TI25\_6\_PL0008 | 0.930 |
| Ki3\_TI03 | Leaf | Ki3\_TI03\_2\_PL0007 | Ki3\_TI03\_3\_PL0005 | 0.946 |
| Ki3\_TI09 | Leaf | Ki3\_TI09\_12\_PL0007 | Ki3\_TI09\_2\_PL0008 | 0.933 |
| Ki3\_TI11 | Leaf | Ki3\_TI11\_4\_PL0009 | Ki3\_TI11\_7\_PL0008 | 0.963 |
| Ki3\_TI14 | Leaf | Ki3\_TI14\_8\_PL0008 | NA | a |
| Mo17\_TI01 | Leaf | Mo17\_TI01\_13\_PL0007 | Mo17\_TI01\_3\_PL0008 | 0.879 |
| Mo17\_TI09 | Leaf | Mo17\_TI09\_11\_PL0005 | Mo17\_TI09\_13\_PL0009 | 0.909 |
| Mo17\_TI14 | Leaf | Mo17\_TI14\_12\_PL0008 | Mo17\_TI14\_6\_PL0009 | 0.813 |
| Mo17\_TI25 | Leaf | Mo17\_TI25\_13\_PL0008 | Mo17\_TI25\_6\_PL0005 | 0.944 |
| Oh43\_TI01 | Leaf | Oh43\_TI01\_1\_PL0008 | Oh43\_TI01\_6\_PL0007 | 0.961 |
| Oh43\_TI03 | Leaf | Oh43\_TI03\_3\_PL0007 | Oh43\_TI03\_4\_PL0005 | 0.954 |
| Oh43\_TI09 | Leaf | Oh43\_TI09\_10\_PL0006 | Oh43\_TI09\_14\_PL0009 | 0.944 |
| Oh43\_TI10 | Leaf | Oh43\_TI10\_1\_PL0005 | Oh43\_TI10\_4\_PL0007 | 0.811 |
| Oh43\_TI11 | Leaf | Oh43\_TI11\_14\_PL0008 | Oh43\_TI11\_8\_PL0009 | 0.969 |
| Oh43\_TI15 | Leaf | Oh43\_TI15\_14\_PL0005 | Oh43\_TI15\_9\_PL0007 | 0.875 |
| Oh43\_TI25 | Leaf | Oh43\_TI25\_10\_PL0008 | Oh43\_TI25\_7\_PL0009 | 0.950 |
| W22\_TI01 | Leaf | W22\_TI01\_14\_PL0007 | W22\_TI01\_5\_PL0008 | 0.961 |
| W22\_TI03 | Leaf | W22\_TI03\_11\_PL0007 | W22\_TI03\_9\_PL0008 | 0.940 |
| W22\_TI11 | Leaf | W22\_TI11\_5\_PL0005 | W22\_TI11\_7\_PL0007 | 0.880 |
| W22\_TI14 | Leaf | W22\_TI14\_10\_PL0007 | W22\_TI14\_2\_PL0009 | 0.828 |
| W22\_TI25 | Leaf | W22\_TI25\_11\_PL0008 | W22\_TI25\_8\_PL0005 | 0.972 |
| B73\_TI01 | Stem | B73\_TI01\_4\_PL0011 | B73\_TI01\_4\_PL0013 | 0.949 |
| B73\_TI03 | Stem | B73\_TI03\_2\_PL0011 | NA | a |
| B73\_TI05 | Stem | B73\_TI05\_14\_PL0006 | B73\_TI05\_14\_PL0012 | 0.961 |
| B73\_TI09 | Stem | B73\_TI09\_11\_PL0010 | NA | a |
| B73\_TI11 | Stem | B73\_TI11\_12\_PL0006 | B73\_TI11\_13\_PL0011 | 0.961 |
| B73\_TI14 | Stem | B73\_TI14\_1\_PL0010 | B73\_TI14\_1\_PL0011 | 0.954 |
| B73\_TI25 | Stem | B73\_TI25\_10\_PL0013 | B73\_TI25\_3\_PL0012 | 0.941 |
| CML103\_TI03 | Stem | CML103\_TI03\_7\_PL0010 | CML103\_TI03\_9\_PL0011 | 0.961 |
| CML103\_TI11 | Stem | CML103\_TI11\_11\_PL0013 | CML103\_TI11\_12\_PL0010 | 0.975 |
| CML103\_TI14 | Stem | CML103\_TI14\_12\_PL0013 | CML103\_TI14\_13\_PL0010 | 0.964 |
| CML103\_TI25 | Stem | CML103\_TI25\_12\_PL0011 | CML103\_TI25\_5\_PL0012 | 0.964 |
| Ki3\_TI03 | Stem | Ki3\_TI03\_1\_PL0012 | Ki3\_TI03\_3\_PL0010 | 0.941 |
| Ki3\_TI09 | Stem | Ki3\_TI09\_11\_PL0006 | Ki3\_TI09\_8\_PL0011 | 0.947 |
| Ki3\_TI11 | Stem | Ki3\_TI11\_14\_PL0011 | Ki3\_TI11\_6\_PL0012 | 0.965 |
| Ki3\_TI14 | Stem | Ki3\_TI14\_7\_PL0012 | Ki3\_TI14\_8\_PL0013 | 0.961 |
| Mo17\_TI01 | Stem | Mo17\_TI01\_11\_PL0011 | Mo17\_TI01\_7\_PL0013 | 0.955 |
| Mo17\_TI09 | Stem | Mo17\_TI09\_13\_PL0013 | Mo17\_TI09\_3\_PL0011 | 0.951 |
| Mo17\_TI14 | Stem | Mo17\_TI14\_11\_PL0012 | Mo17\_TI14\_9\_PL0013 | 0.961 |
| Mo17\_TI25 | Stem | Mo17\_TI25\_12\_PL0012 | Mo17\_TI25\_6\_PL0010 | 0.966 |
| Oh43\_TI01 | Stem | Oh43\_TI01\_3\_PL0006 | Oh43\_TI01\_5\_PL0013 | 0.937 |
| Oh43\_TI01 | Stem | Oh43\_TI01\_3\_PL0006 | Oh43\_TI01\_8\_PL0010 | 0.944 |
| Oh43\_TI01 | Stem | Oh43\_TI01\_5\_PL0013 | Oh43\_TI01\_8\_PL0010 | 0.965 |
| Oh43\_TI03 | Stem | Oh43\_TI03\_2\_PL0013 | Oh43\_TI03\_4\_PL0010 | 0.967 |
| Oh43\_TI09 | Stem | Oh43\_TI09\_14\_PL0010 | Oh43\_TI09\_14\_PL0013 | 0.972 |
| Oh43\_TI10 | Stem | Oh43\_TI10\_3\_PL0013 | Oh43\_TI10\_5\_PL0010 | 0.976 |
| Oh43\_TI11 | Stem | Oh43\_TI11\_13\_PL0012 | NA | a |
| Oh43\_TI15 | Stem | Oh43\_TI15\_2\_PL0012 | Oh43\_TI15\_5\_PL0011 | 0.976 |
| Oh43\_TI25 | Stem | Oh43\_TI25\_2\_PL0010 | Oh43\_TI25\_9\_PL0012 | 0.953 |
| W22\_TI01 | Stem | W22\_TI01\_10\_PL0011 | W22\_TI01\_4\_PL0012 | 0.968 |
| W22\_TI03 | Stem | W22\_TI03\_7\_PL0011 | W22\_TI03\_8\_PL0012 | 0.957 |
| W22\_TI11 | Stem | W22\_TI11\_1\_PL0013 | W22\_TI11\_9\_PL0010 | 0.967 |
| W22\_TI14 | Stem | W22\_TI14\_6\_PL0011 | W22\_TI14\_6\_PL0013 | 0.970 |
| W22\_TI25 | Stem | W22\_TI25\_10\_PL0010 | W22\_TI25\_10\_PL0012 | 0.947 |
| B73 | Ear | B73\_1\_PL0014 | B73\_1\_PL0015 | 0.982 |
| CML103 | Ear | CML103\_2\_PL0014 | CML103\_2\_PL0015 | 0.977 |
| Ki3 | Ear | Ki3\_3\_PL0014 | Ki3\_3\_PL0015 | 0.939 |
| Mo17 | Ear | Mo17\_4\_PL0014 | Mo17\_4\_PL0015 | 0.975 |
| Oh43 | Ear | Oh43\_5\_PL0014 | Oh43\_5\_PL0015 | 0.983 |
| TIL01 | Ear | TIL01\_6\_PL0014 | TIL01\_6\_PL0015 | 0.948 |
| TIL03 | Ear | TIL03\_7\_PL0014 | TIL03\_7\_PL0015 | 0.916 |
| TIL05 | Ear | TIL05\_8\_PL0014 | TIL05\_8\_PL0015 | 0.934 |
| TIL09 | Ear | TIL09\_15\_PL0014 | TIL09\_9\_PL0015 | 0.969 |
| TIL10 | Ear | TIL10\_10\_PL0015 | TIL10\_9\_PL0014 | 0.955 |
| TIL11 | Ear | TIL11\_10\_PL0014 | TIL11\_11\_PL0015 | 0.972 |
| TIL14 | Ear | TIL14\_11\_PL0014 | TIL14\_12\_PL0015 | 0.972 |
| TIL15 | Ear | TIL15\_12\_PL0014 | TIL15\_13\_PL0015 | 0.965 |
| TIL25 | Ear | TIL25\_13\_PL0014 | TIL25\_14\_PL0015 | 0.959 |
| W22 | Ear | W22\_14\_PL0014 | W22\_15\_PL0015 | 0.969 |
| B73 | Leaf | B73\_1\_PL0016 | B73\_1\_PL0017 | 0.952 |
| CML103 | Leaf | CML103\_2\_PL0016 | CML103\_2\_PL0017 | 0.971 |
| Ki3 | Leaf | Ki3\_3\_PL0016 | Ki3\_3\_PL0017 | 0.968 |
| Mo17 | Leaf | Mo17\_4\_PL0016 | Mo17\_4\_PL0017 | 0.883 |
| Oh43 | Leaf | Oh43\_5\_PL0016 | Oh43\_5\_PL0017 | 0.962 |
| TIL01 | Leaf | TIL01\_6\_PL0016 | TIL01\_6\_PL0017 | 0.949 |
| TIL03 | Leaf | TIL03\_7\_PL0016 | NA | a |
| TIL05 | Leaf | TIL05\_7\_PL0017 | TIL05\_8\_PL0016 | 0.925 |
| TIL09 | Leaf | TIL09\_8\_PL0017 | TIL09\_9\_PL0016 | 0.959 |
| TIL10 | Leaf | TIL10\_10\_PL0016 | TIL10\_9\_PL0017 | 0.964 |
| TIL11 | Leaf | TIL11\_10\_PL0017 | TIL11\_11\_PL0016 | 0.956 |
| TIL14 | Leaf | TIL14\_11\_PL0017 | TIL14\_12\_PL0016 | 0.964 |
| TIL15 | Leaf | TIL15\_12\_PL0017 | TIL15\_13\_PL0016 | 0.970 |
| TIL25 | Leaf | TIL25\_13\_PL0017 | TIL25\_14\_PL0016 | 0.968 |
| W22 | Leaf | W22\_14\_PL0017 | W22\_15\_PL0016 | 0.962 |
| B73 | Stem | B73\_1\_PL0018 | B73\_1\_PL0019 | 0.929 |
| CML103 | Stem | CML103\_2\_PL0018 | CML103\_2\_PL0019 | 0.960 |
| Ki3 | Stem | Ki3\_3\_PL0018 | Ki3\_3\_PL0019 | 0.963 |
| Mo17 | Stem | Mo17\_4\_PL0018 | Mo17\_4\_PL0019 | 0.961 |
| Oh43 | Stem | Oh43\_5\_PL0018 | Oh43\_5\_PL0019 | 0.971 |
| TIL01 | Stem | TIL01\_6\_PL0018 | TIL01\_6\_PL0019 | 0.943 |
| TIL03 | Stem | TIL03\_7\_PL0018 | NA | a |
| TIL05 | Stem | TIL05\_7\_PL0019 | TIL05\_8\_PL0018 | 0.946 |
| TIL09 | Stem | TIL09\_8\_PL0019 | TIL09\_9\_PL0018 | 0.958 |
| TIL10 | Stem | TIL10\_10\_PL0018 | TIL10\_9\_PL0019 | 0.947 |
| TIL11 | Stem | TIL11\_10\_PL0019 | TIL11\_11\_PL0018 | 0.963 |
| TIL14 | Stem | TIL14\_11\_PL0019 | TIL14\_12\_PL0018 | 0.960 |
| TIL15 | Stem | TIL15\_12\_PL0019 | TIL15\_13\_PL0018 | 0.939 |
| TIL25 | Stem | TIL25\_13\_PL0019 | TIL25\_14\_PL0018 | 0.960 |
| W22 | Stem | W22\_14\_PL0019 | W22\_15\_PL0018 | 0.968 |

a Only one biological replicate exists from this genotype.