

Supplementary Information

Supplementary Figures

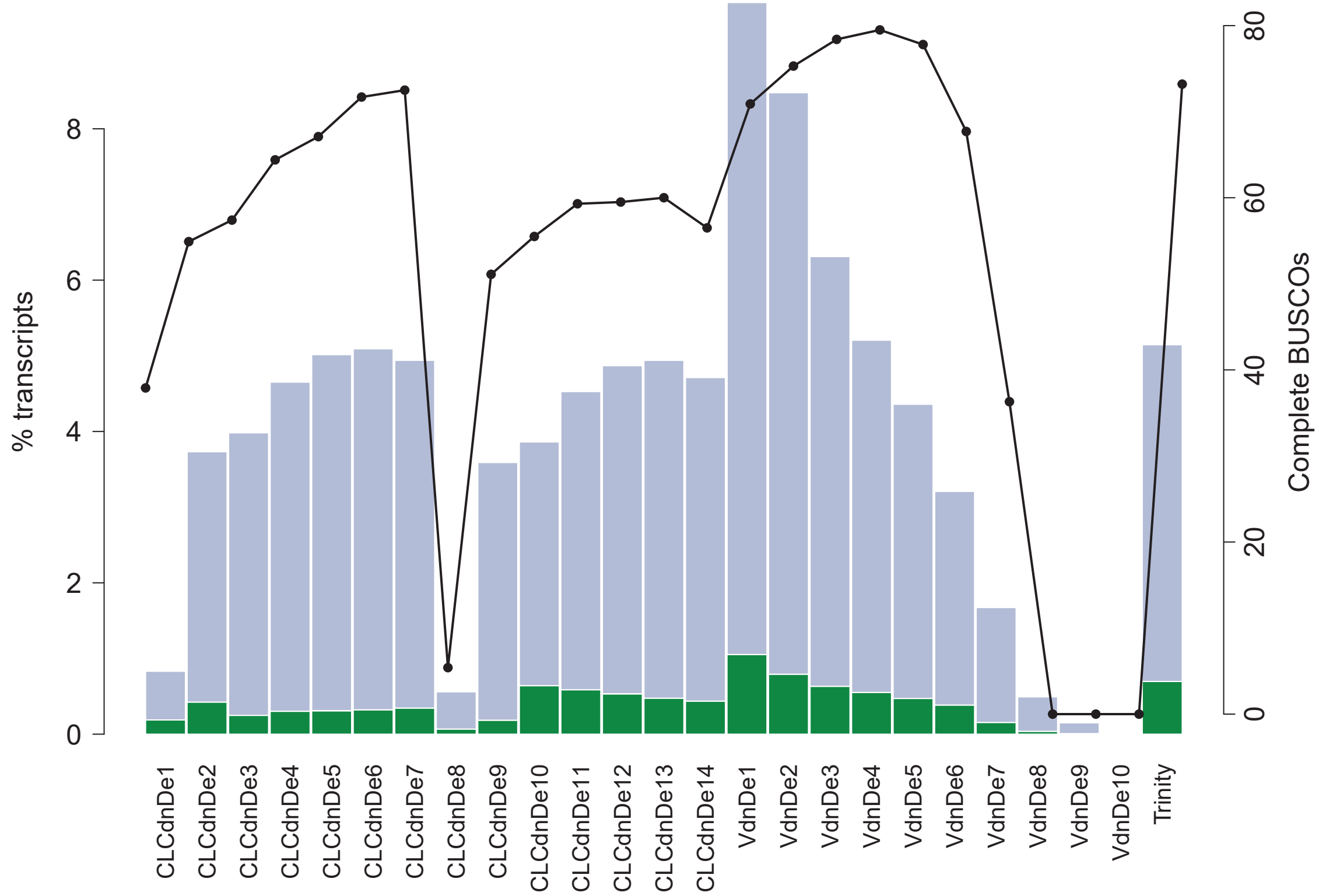
Supplementary Figure 1. Contribution of individual *de novo* assemblies to cultivar Désirée transcriptome. Proportion of all contigs in de novo assembly (blue bars) and proportion of EvidentialGene okay set (green bars), and the number of complete BUSCOs (dots) using embryophyta_odb9 set are shown. Assembly software abbreviations: CLCdn - CLC Genomics Workbench, Vdn - Velvet. <http://doi.org/10.15490/FAIRDOMHUB.1.DATAFILE.3107.1>

Supplementary Figure 2. Contribution of individual *de novo* assemblies to cultivar PW363 transcriptome. Proportion of all contigs in de novo assembly (blue bars) and proportion of EvidentialGene okay set (green bars), and the number of complete BUSCOs (dots) using embryophyta_odb9 set are shown. Assembly software abbreviations: CLCdn - CLC Genomics Workbench, Vdn - Velvet, Sdn - SPAdes. <http://doi.org/10.15490/FAIRDOMHUB.1.DATAFILE.3108.1>

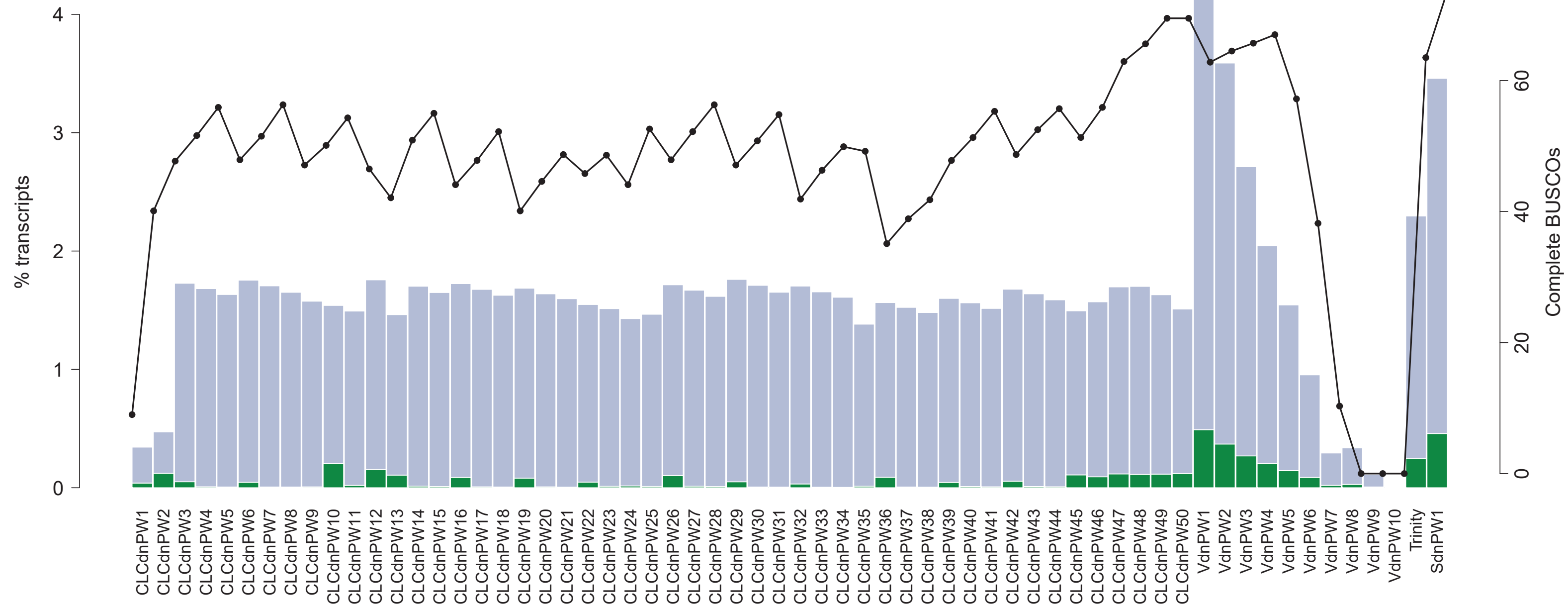
Supplementary Figure 3. Contribution of individual *de novo* assemblies to cultivar Rywal transcriptome. Proportion of all contigs in de novo assembly (blue bars) and proportion of EvidentialGene okay set (green bars), and the number of complete BUSCOs (dots) using embryophyta_odb9 set are shown. Assembly software abbreviations: CLCdn - CLC Genomics Workbench, Vdn - Velvet, Sdn - SPAdes, PBdn - PacBio. <http://doi.org/10.15490/FAIRDOMHUB.1.DATAFILE.3109.1>

Supplementary Figure 4. Venn diagrams showing the overlap of paralogue clusters in cultivar-specific transcriptomes and merged Phureja DM gene models. Representatives and alternatives of the stPanTr (pan-transcriptome) paralogue cluster are counted as well as alternatives defined at stCuSTr (cultivar-specific transcriptome) step. For Phureja, the merged ITAG and PGSC DM gene models were counted. <http://doi.org/10.15490/FAIRDOMHUB.1.DATAFILE.3409.2>

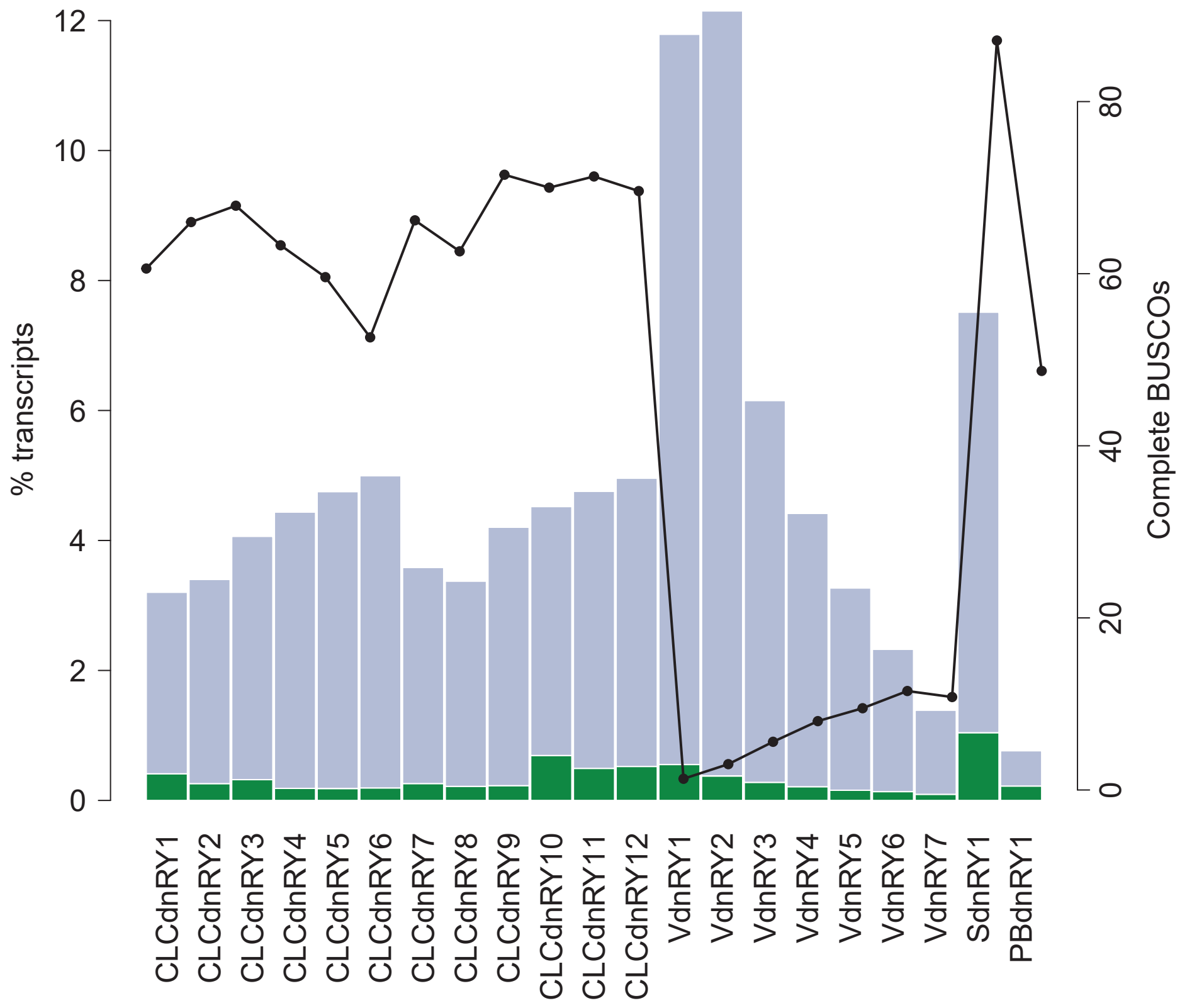
Supplementary Figure 1.



Supplementary Figure 2.

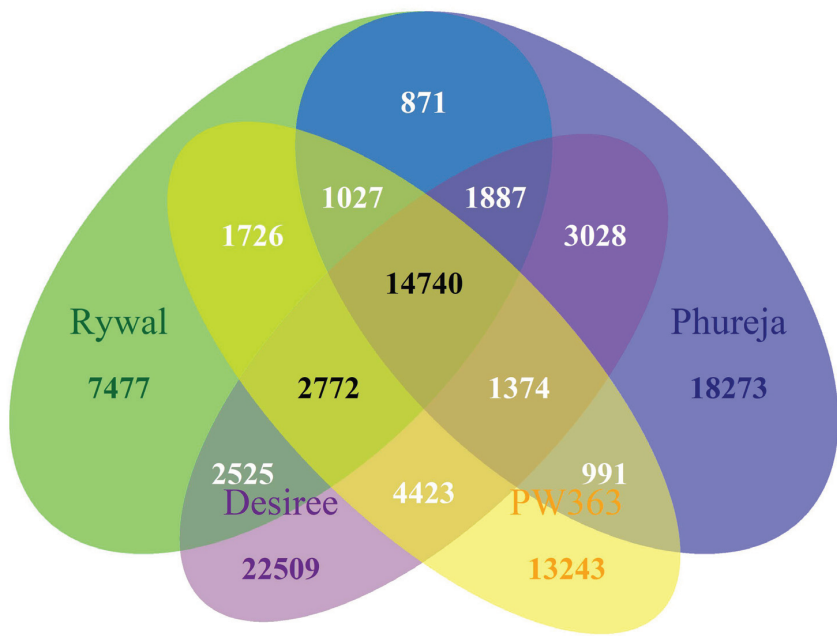


Supplementary Figure 3.

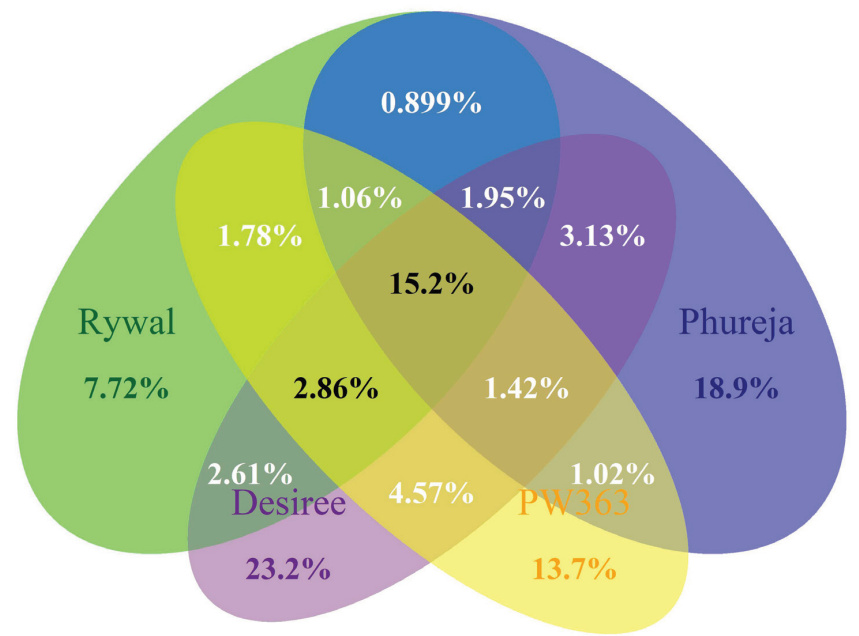


Supplementary Figure 4.

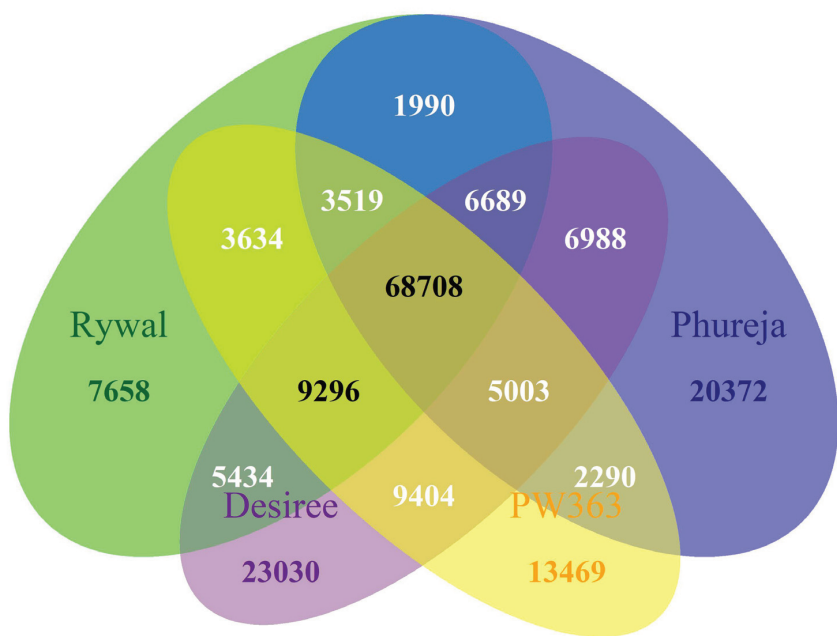
stPanTr clusters: representatives



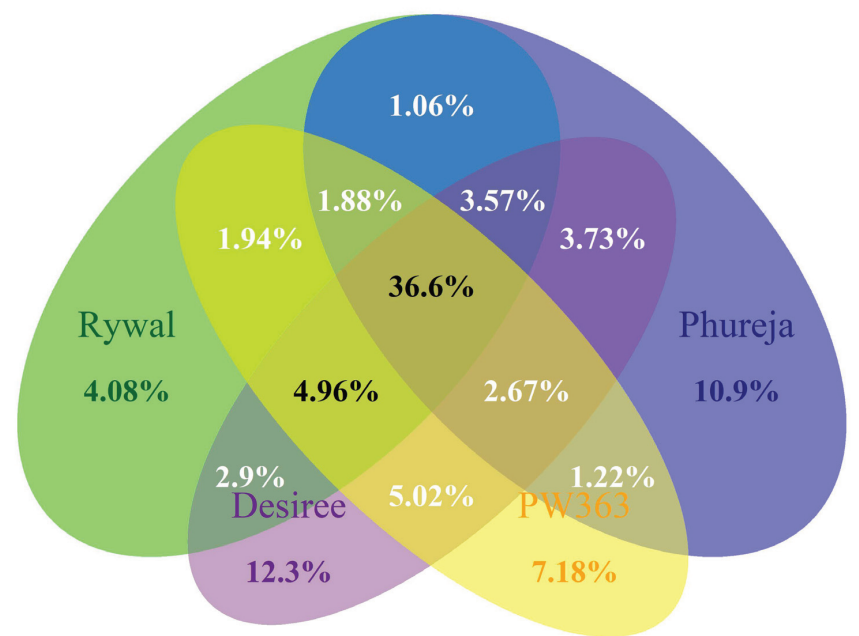
stPanTr clusters: representatives



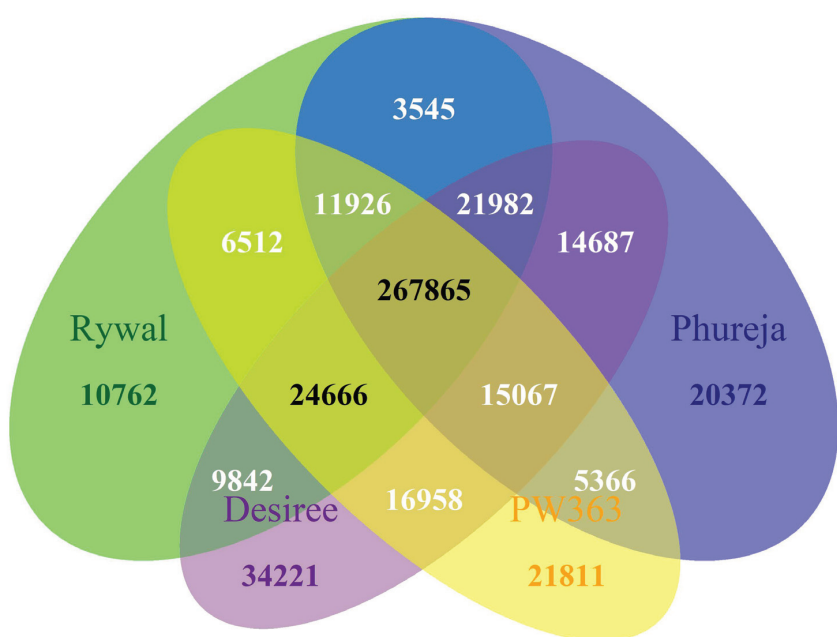
stPanTr clusters



stPanTr clusters



stPanTr clusters including stCuSTr alternatives



stPanTr clusters including stCuSTr alternatives

