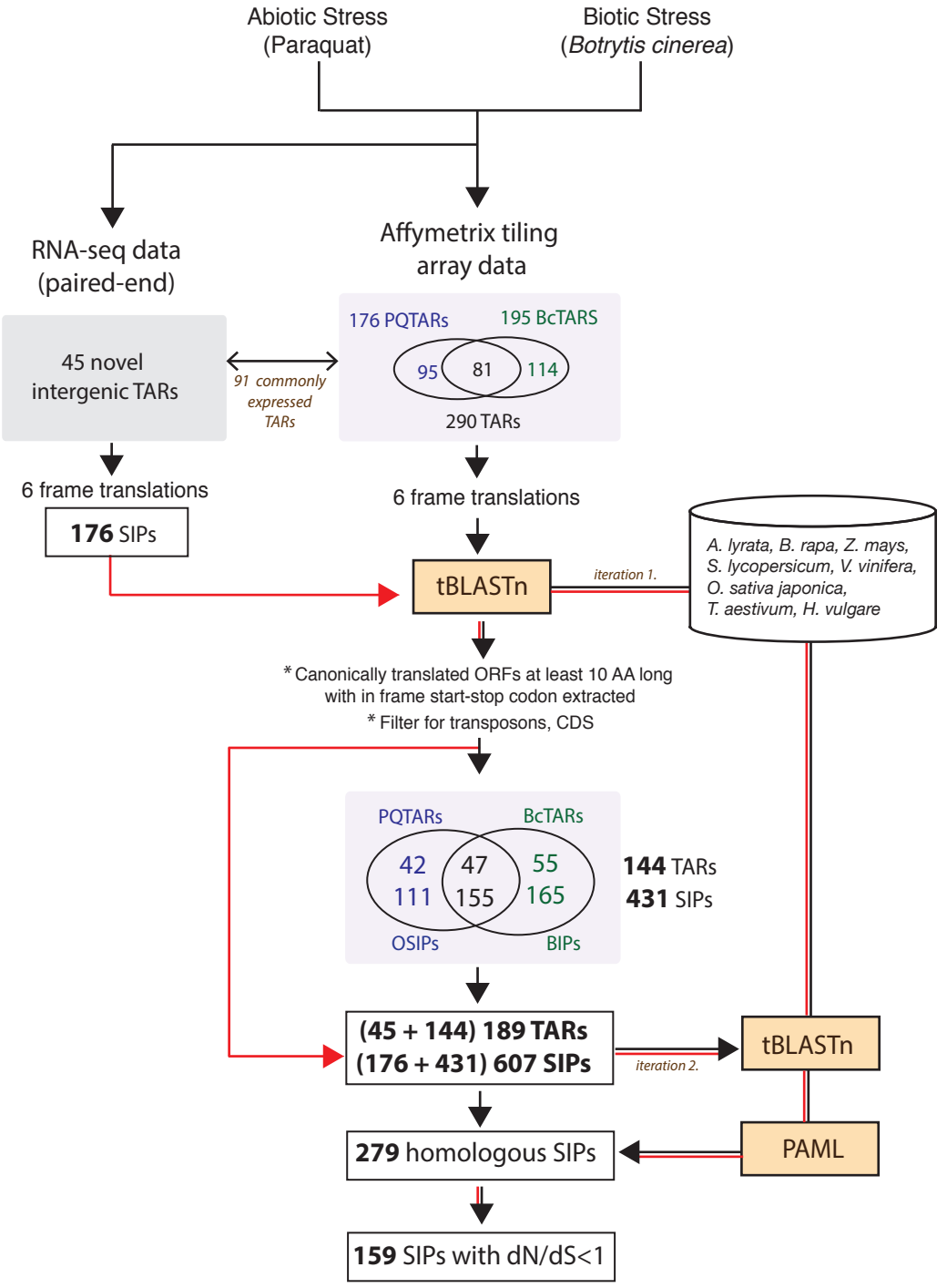
Abiotic Stress
(Paraquat)
Biotic Stress
(Botrytis cinerea)
RNA-seq data
(paired-end)
Affymetrix tiling
array data
45 novel
intergenic TARs
91 commonly
expressed
TARs
176 PQTARs
195 BcTARS
95
81
114
290 TARs
6 frame translations
176 SIPs
6 frame translations
tBLASTn
iteration 1.
A. lyrata, B. rapa, Z. mays,
S. lycopersicum, V. vinifera,
O. sativa japonica,
T. aestivum, H. vulgare
* Canonically translated ORFs at least 10 AA long
with in frame start-stop codon extracted
* Filter for transposons, CDS
PQTARs
BcTARs
42
111
47
155
55
165
OSIPs
BIPs
144 TARs
431 SIPs
(45 + 144) 189 TARs
(176 + 431) 607 SIPs
iteration 2.
tBLASTn
PAML
279 homologous SIPs
159 SIPs with dN/dS<1