

Protein abundance of MAPK1 interacting partners ABI1 ARHGEF2 CSPG4 GSK3B 19 -18 -17 -16 15 14 LRP6 MAPK1 MAPK3 MAP3K3 19 -18 -17 -16 -Protein abundance ko **≢** ARID1A_KO PRNP PPARG PTK2 MEF2A ₩T 18 -17 -16 15 -14 -Combinations -Vemurafenib Tametinib PXN RPS6KA3 **RPTOR** 19 -18 17 16-15 -14 -Vemurafenib Combinations Vemurafenib + Combinations -Trametinib | Trametinib | Combinations $U^{ntreated}$ Vemurafenib Trametinib + Untreated 4 Drug treatment

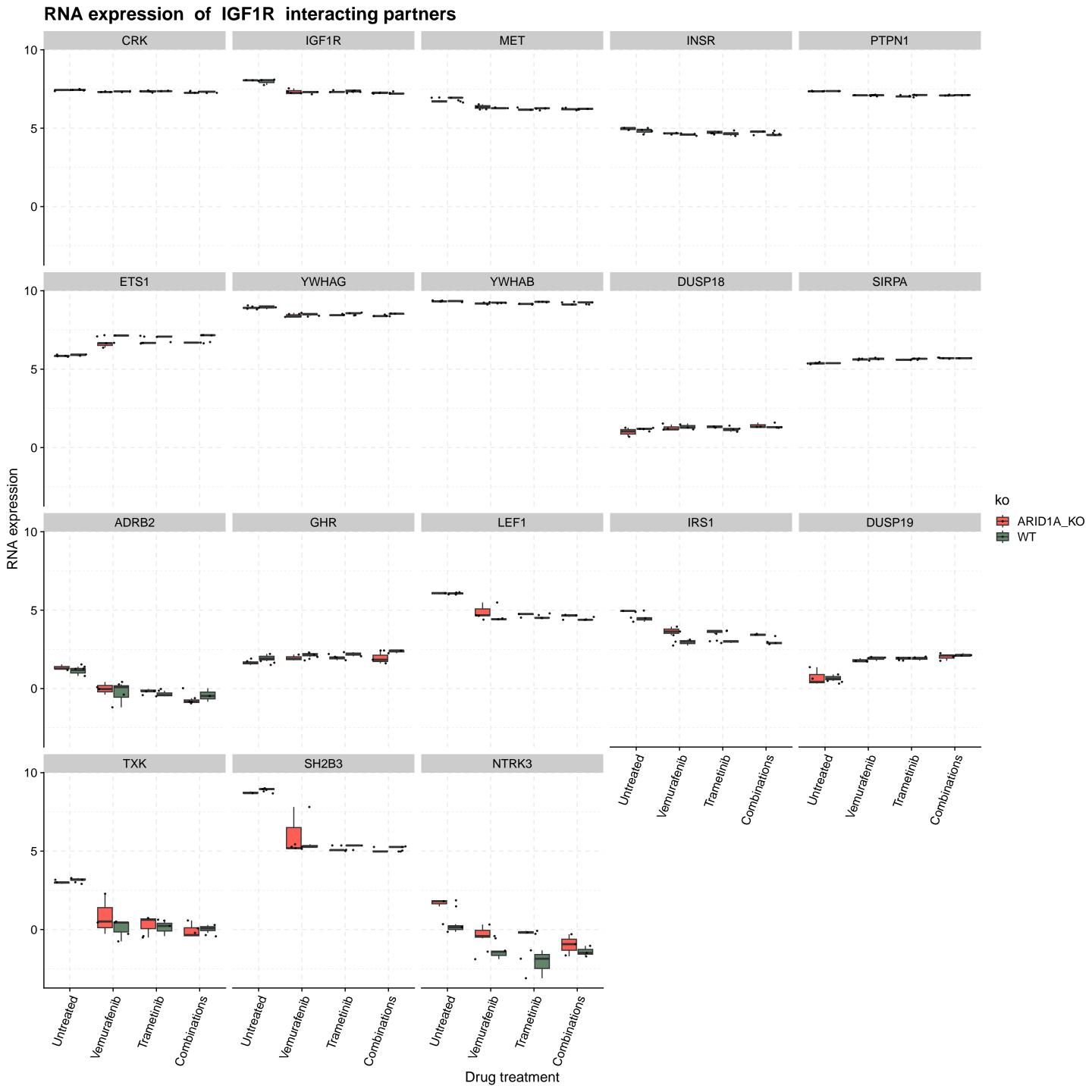
RNA expression of MAPK1 interacting partners RPS6KA3 ABI1 MAPK3 **PPARG** PTK2 10.0 7.5 5.0 2.5 0.0 **PXN PRNP** ETS1 MEF2A LRP6 10.0 7.5 5.0 2.5 0.0 DUSP4 GSK3B MAP3K3 **RPTOR** MAPK1 10.0 7.5 ko 5.0 **≢** ARID1A_KO **₩** WT 2.5 0.0 FOS ARHGEF2 DUSP1 ETS2 HGF 10.0 7.5 5.0 2.5 0.0 CSPG4 NR4A2 DUSP2 DUSP6 IRS1 10.0 7.5 5.0 2.5 0.0 Combinations 1 Vemurafenib Vemurafenib + Combinations Vemurafenib Combinations Trametinib Trametinib Trametinib Combinations -Combinations + Untreated | Untreated | Vemurafenib -Untreated + Untreated + Untreated + Trametinie

RNA expression

Protein abundance of EGFR interacting partners ABL2 EGFR FGFR1 19 -18 17 -16 GPNMB ICAM1 FYN 19 -Protein abundance ko ➡ ARID1A_KO➡ WT PTPRJ PRKD1 PARP1 19 -18 17 -16 -15 -Vemurafenib -Combinations Combinations Vemurafenib Combinations Untreated Trametinib | Vemurafenib Untreated 1 Trametinie + Untreated 1 Trametinib | Drug treatment

RNA expression of EGFR interacting partners EGFR **PTPRJ** 10 -0 --5 -PARP1 FGFR1 NTRK2 SOX2 10 · 0 RNA expression ko **≢** ARID1A_KO ICAM1 ANG TEK EGF **➡** WT 5 0 -**-5** -Combinations -Vemurafenib Trametinib + Untreated -Vemurafenib -**GPNMB** PRKD1 10 -5 -0 -**-5** Trametinib ∤ Combinations -Combinations Vemurafenib -Vemurafenib -Drug treatment

Protein abundance of IGF1R interacting partners CRK LEF1 **INSR** 19 -18 -17 16 15 -MST1R PTPN1 MET SH2B3 19 -18 -Protein abundance ko **≢** ARID1A_KO **₽** WT 15 -Vemurafenib -SIRPA YWHAB **YWHAG** 19 -18 17 -15 -Combinations -Combinations -Vemurafenib -Trametinib | Vemurafenib -Combinations Trametinib Venurafenib Untreated 1 Trametinib | Untreated + Drug treatment



Protein abundance of PRKD1 interacting partners DAPK1 EGFR PRKD1 16 -15 14 -Protein abundance ko Vemurafenib Untreated -Trametinib Combinations -➡ ARID1A_KO➡ WT SPHK2 ROS1 14 -13 -Vemurafenib Combinations Combinations Trametinib Vemurafenib Untreated + Trametinie Drug treatment

RNA expression of PRKD1 interacting partners EGFR JUN DAPK1 5.0 2.5 0.0 -2.5 EGF PRKD1 SPHK2 5.0 RNA expression 2.5 ko 0.0 -2.5 Vemurafenib Combinations -Vemurafenib Combinations -Untreated 1 Trametinib Untreated -Trametinib -ROS1 5.0 2.5 0.0 -2.5 -Combinations -Vemurafenib -Trametinib Drug treatment