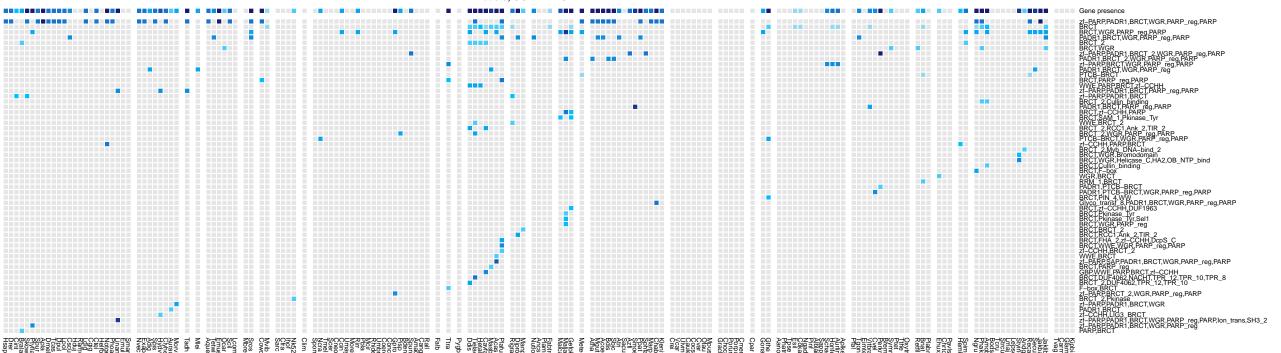
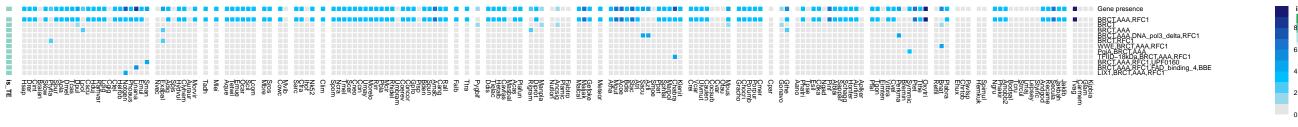
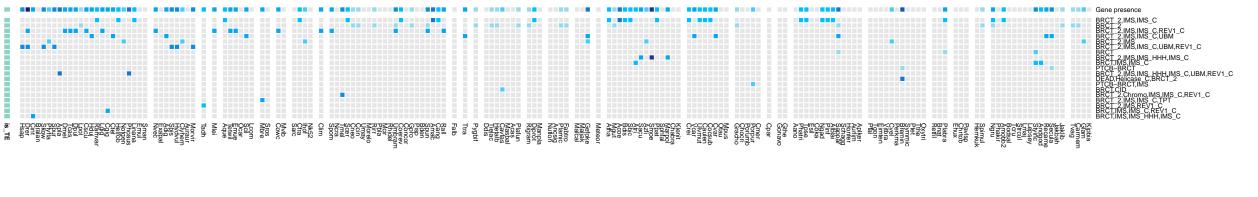
PTIP duets, OG PTIP.HG2.2:PARP1



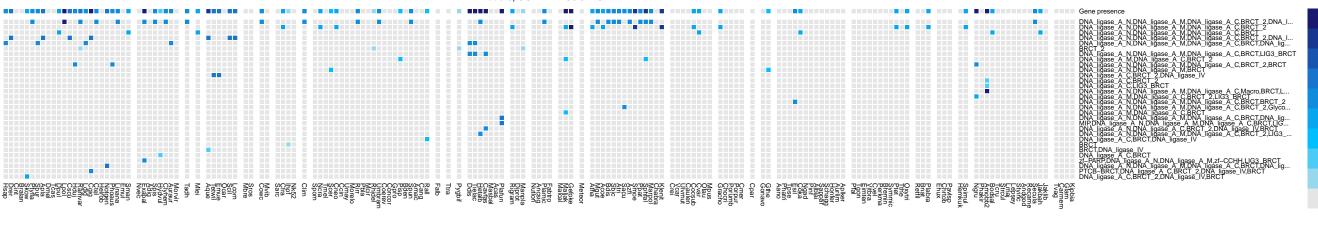
PTIP duets, OG PTIP.HG3.4:RFC1



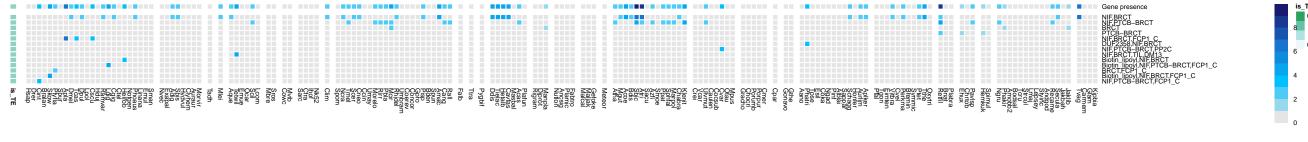
PTIP duets, OG PTIP.HG4.0:REV1



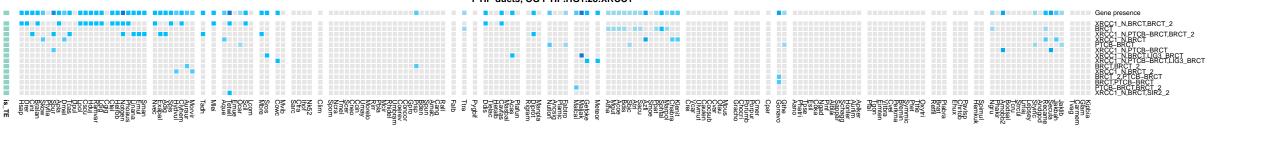
PTIP duets, OG PTIP.HG5.0:LIG4



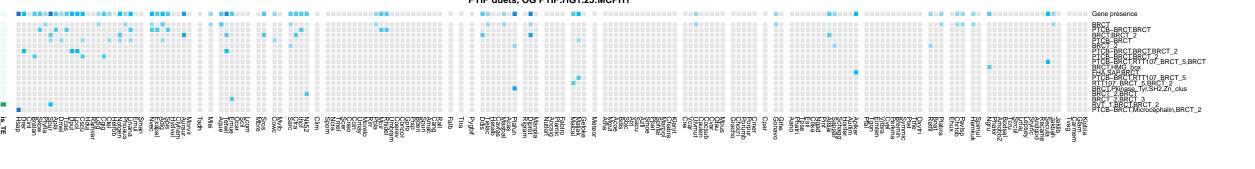
PTIP duets, OG PTIP.HG6.1:NA



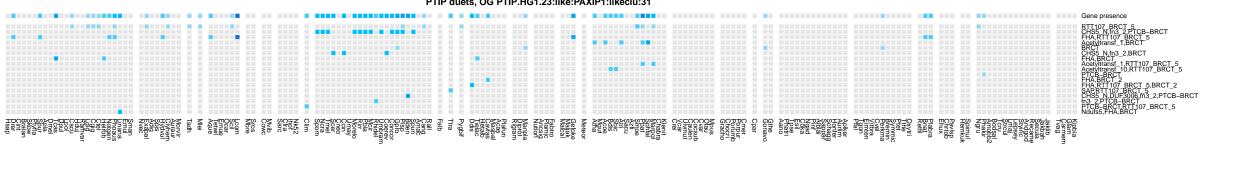
PTIP duets, OG PTIP.HG1.28:XRCC1



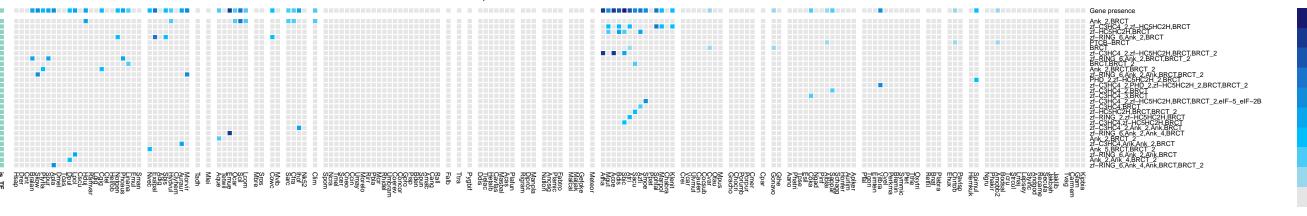
PTIP duets, OG PTIP.HG1.25:MCPH1



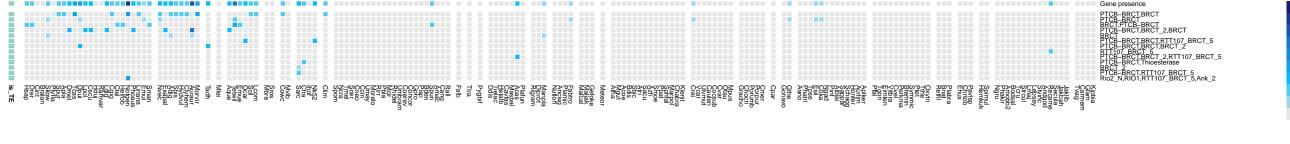
PTIP duets, OG PTIP.HG1.23:like:PAXIP1:likeclu:31



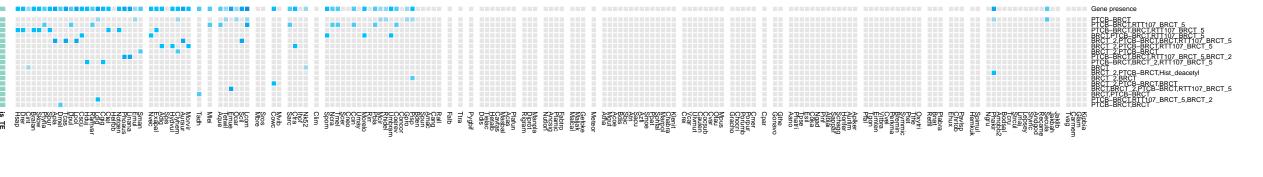
PTIP duets, OG PTIP.HG1.36:like:BRCA1:likeclu:33



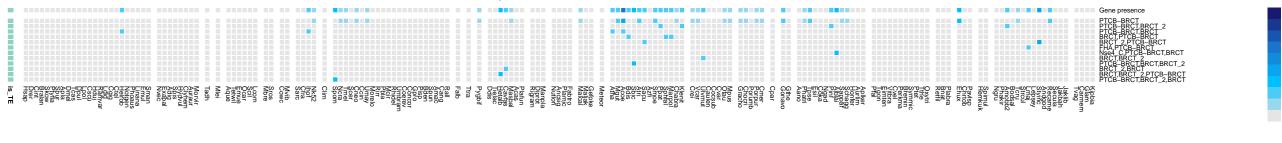
PTIP duets, OG PTIP.HG1.0:TOPBP1



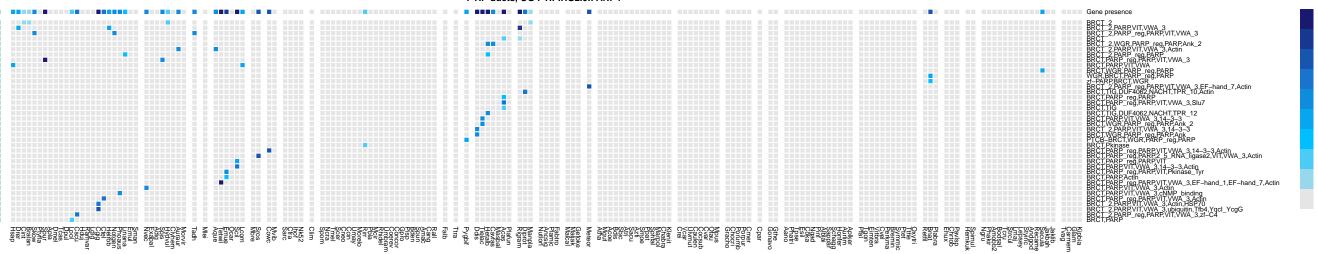
PTIP duets, OG PTIP.HG1.31:PAXIP1

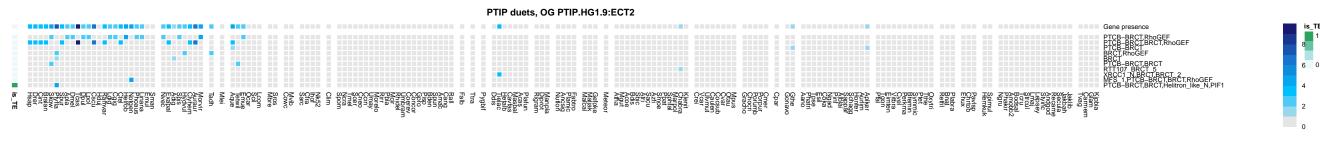


PTIP duets, OG PTIP.HG1.14:like:ECT2:likeclu:9

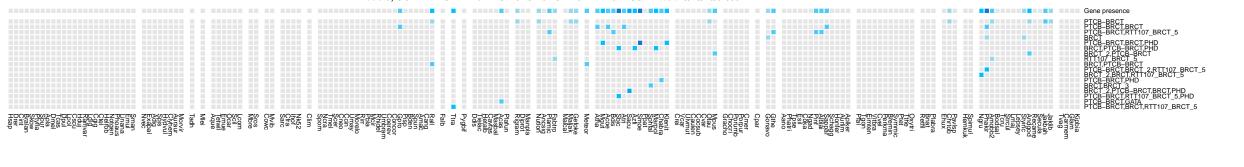


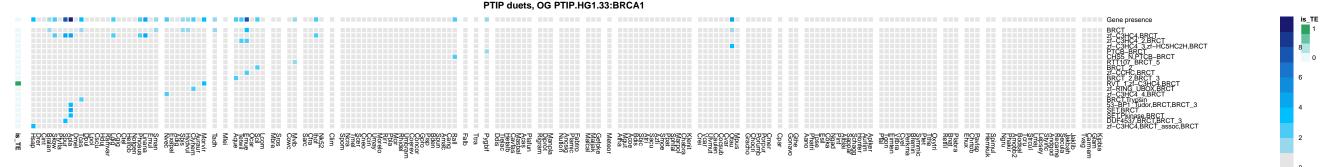
PTIP duets, OG PTIP.HG2.0:PARP4



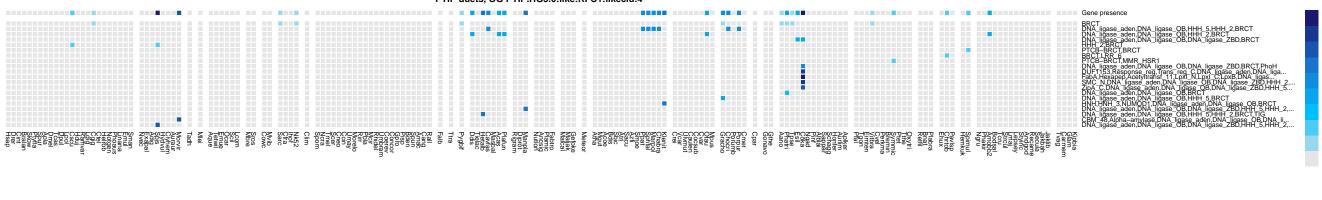


PTIP duets, OG PTIP.HG1.4:like:BRCA1/ECT2/MCPH1/PAXIP1/XRCC1:likeclu:9/25/28/31/33

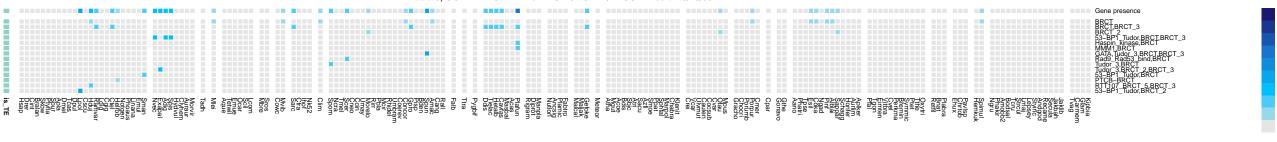




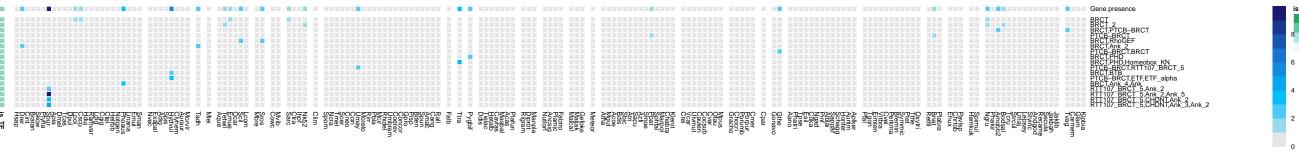
PTIP duets. OG PTIP.HG3.0:like:RFC1:likeclu:4



PTIP duets, OG PTIP.HG1.24:like:BRCA1/MCPH1/XRCC1:likeclu:25/28/33



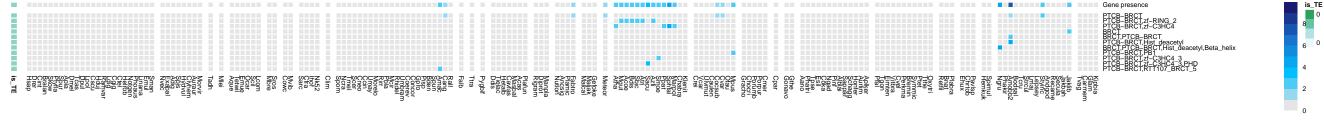
PTIP duets, OG PTIP.HG1.12:like:BRCA1/ECT2/MCPH1/PAXIP1/XRCC1:likeclu:9/25/28/31/33



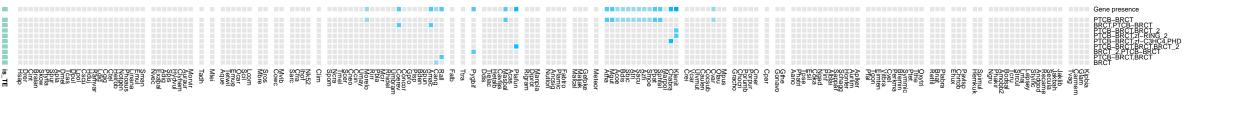
PTIP duets, OG PTIP.HG1.11:like:BRCA1/ECT2/MCPH1/PAXIP1/XRCC1:likeclu:9/25/28/31/33



PTIP duets, OG PTIP.HG1.20:like:BRCA1/ECT2/MCPH1/PAXIP1/XRCC1:likeclu:9/25/28/31/33



PTIP duets, OG PTIP.HG1.8:like:BRCA1/ECT2/MCPH1/PAXIP1/XRCC1:likeclu:9/25/28/31/33

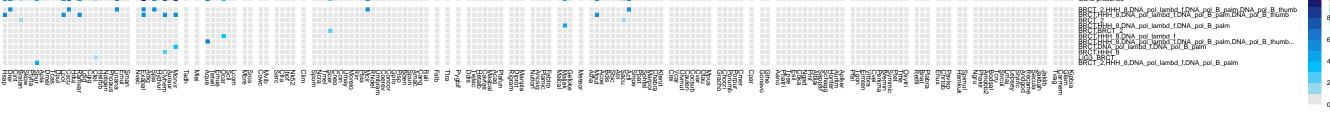


PTIP duets, OG PTIP.HG7.0:NA



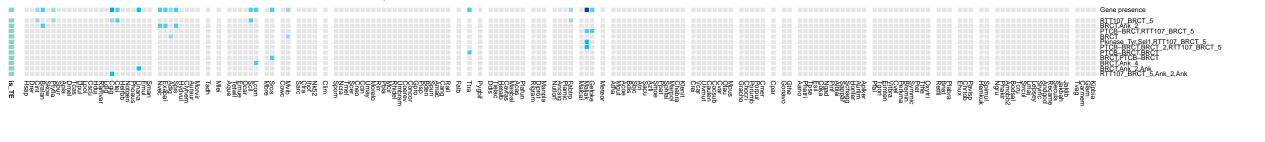


PTIP duets, OG PTIP.HG8.0:DNTT

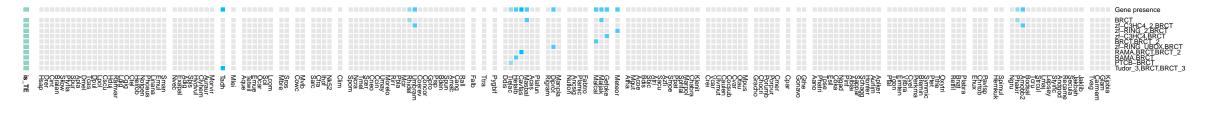


Gene presence

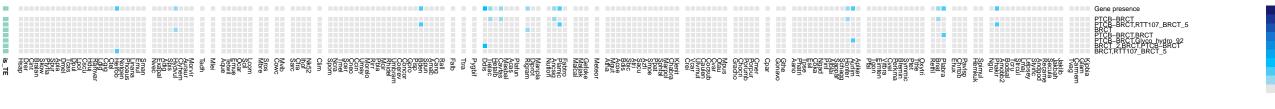
PTIP duets, OG PTIP.HG1.1:like:BRCA1/ECT2/MCPH1/PAXIP1/TOPBP1/XRCC1:likeclu:0/9/25/28/31/33

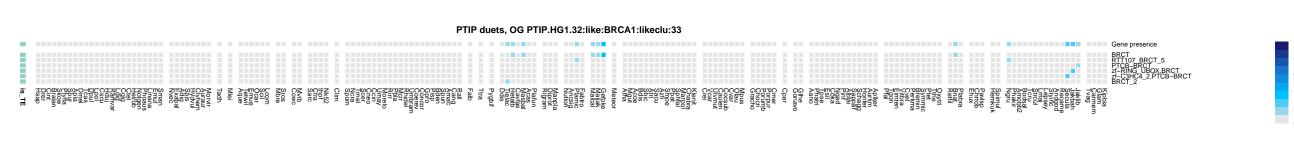


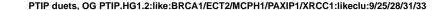
PTIP duets, OG PTIP.HG1.35:like:BRCA1:likeclu:33



PTIP duets, OG PTIP.HG1.3:like:BRCA1/ECT2/MCPH1/PAXIP1/XRCC1:likeclu:9/25/28/31/33

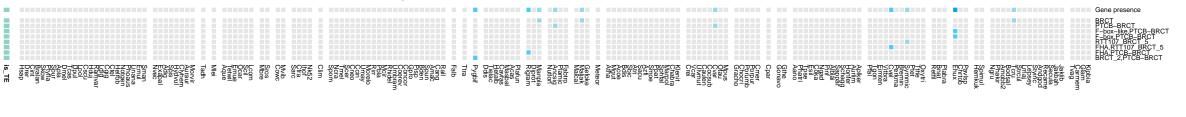








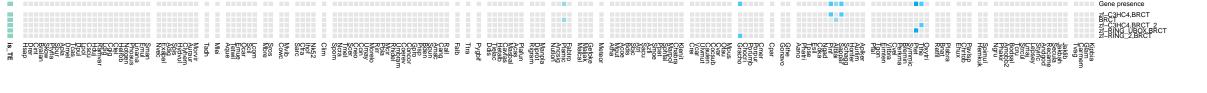
PTIP duets, OG PTIP.HG1.7:like:BRCA1/ECT2/MCPH1/PAXIP1/XRCC1:likeclu:9/25/28/31/33



PTIP duets, OG PTIP.HG1.16:like:BRCA1/ECT2/MCPH1/PAXIP1/XRCC1:likeclu:9/25/28/31/33



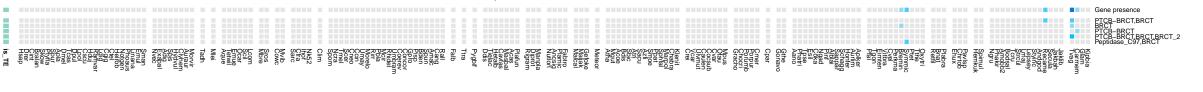
PTIP duets, OG PTIP.HG1.34:like:BRCA1:likeclu:33



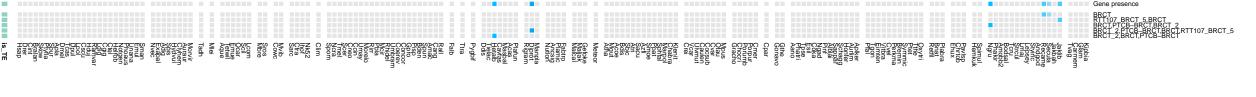
PTIP duets, OG PTIP.HG9.0:NA



PTIP duets, OG PTIP.HG1.10:like:ECT2:likeclu:9



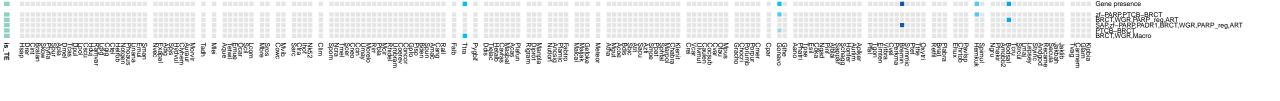
PTIP duets, OG PTIP.HG1.6:like:BRCA1/ECT2/MCPH1/PAXIP1/XRCC1:likeclu:9/25/28/31/33

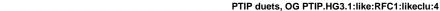


PTIP duets, OG PTIP.HG1.5:like:BRCA1/ECT2/MCPH1/PAXIP1/XRCC1:likeclu:9/25/28/31/33



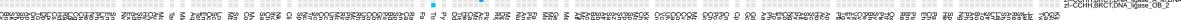












PTIP duets, OG PTIP.HG6.0:NA



PTIP duets, OG PTIP.HG1.17:like:BRCA1/ECT2/MCPH1/PAXIP1/XRCC1:likeclu:9/25/28/31/33







PTIP duets, OG PTIP.HG1.19:like:BRCA1/ECT2/MCPH1/PAXIP1/XRCC1:likeclu:9/25/28/31/33



PTIP duets, OG PTIP.HG3.2:like:RFC1:likeclu:4



PTIP duets, OG PTIP.HG1.13:like:ECT2:likeclu:9



PTIP duets, OG PTIP.HG1.22:like:PAXIP1:likeclu:31



PTIP duets, OG PTIP.HG1.26:like:PAXIP1:likeclu:31



PTIP duets, OG PTIP.HG1.30:like:PAXIP1:likeclu:31





PTIP duets, OG PTIP.HG3.3:like:RFC1:likeclu:4





PTIP duets, OG PTIP.HG1.15:like:BRCA1/ECT2/MCPH1/PAXIP1/XRCC1:likeclu:9/25/28/31/33

PTIP duets, OG PTIP.HG1.21:like:PAXIP1:likeclu:31



PTIP duets, OG PTIP.HG1.27:like:BRCA1/MCPH1/XRCC1:likeclu:25/28/33





PTIP duets, OG PTIP.HG1.29:like:BRCA1:likeclu:33





PTIP duets, OG PTIP.HG1.37:like:BRCA1/ECT2/MCPH1/PAXIP1/XRCC1:likeclu:9/25/28/31/33



PTIP duets, OG PTIP.HG2.3:like:PARP1:likeclu:2



