ADA2 PDE6C GMPR2 GUCY2F PRPS2 NME3 NME4 PDE4C IMPDH1 AK1 HDDC2 PDE10A PDE8B PDE4D DGUOK PDE1A AMPD2 AMPD1 NT5C1A GDA ADCY7 PDE1B NT5C ITPA PAICS **PPAT** PDE11A ADCY4 GUCY2D PDE6A PDE6B AMPD3 NT5E NTPCR GMPR ADCY3 ENTPD1 ATIC PDE5A PAPSS1 PDE6H AK7 NME7 ADCY10 PRUNE1 GUK1 NT5DC4 PRPS1 purine 2 1 AK3 ALLC PDE3B GUCY1A2 0 -1 -2 AK5 ENPP3 PDE1C sig **FALSE** AK9 ADCY8 ADK DCK TRUE PDE6D XDH GART NPR2 PDE9A ADCY9 ADCY9 AK4 GMPS GUCY1A1 ADCY1 NUDT2 NUDT5 AK8 HPRT1 RRM1 ENTPD3 PGM2 NPR1 ADPRM NUDT9 CANT1 PDE7B PDE7B RRM2 NME6 PDE3A ADCY5 ADCY6 IMPDH2 PFAS LACC1 URAD HDDC3 PDE4B NT5C1B NT5C1B ADSS1 PDE6G PDE2A ENTPD5 ENTPD8 FHIT ADA ENTPD4 ENTPD6 ENPP1 NUDT16 PAPSS2 PNP **APRT** PDE7A NT5M PRPS1L1 NME1 ADSL NME2 NT5C1B-RDH14 PDE8B PDE4C

ENPP4 AK2

NME1-NME2 ADSS2 RRM2B

ENTPD2 GUCY1B1 PDE4A GUCY2C

PDE8A NT5C2 ADCY2

PGM1 AK6