

KEGG_ONE_CARBON_POOL_BY_FOLATE

http://www.gsea-msigdb.org/gsea/msigdb/cards/KEGG_ONE_CARBON_POOL_BY_FOLATE

MTHFD2
GART
TYMS
FTCD
ALDH1L1
MTHFS
MTFMT
AMT
MTHFD2L
DHFR
SHMT1
MTHFD1L
MTHFD1
MTR
ATIC
MTHFR
SHMT2

KEGG_PURINE_METABOLISM

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POLR2G
NT5C2
POLR2H
ENPP3
POLR2E
POLR2F
ENPP1
XDH
POLR2I
POLR2J
POLE3
ADSS2
PRPS2
ADSL
NME6
POLR1D
PNPT1
POLR2K
PDE11A
POLD3
POLR2L
AK1
NME1-NME2
AK2
AK4
POLA2
CANT1
AMPD1
AMPD3
AMPD2
NME4
GUCY2D
NME1
ATIC
NME2
DGUOK
POLR3C
NME3
POLR3G
POLR3F
PRUNE1
ADPRM
PDE4B
PDE4C

KEGG_PYRIMIDINE_METABOLISM

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NT5C2
POLR2G
POLR2H
POLR2E
POLR2F
POLR2I
POLR2J
POLE3
TYMS
TXNRD1
NME6
POLR1D
PNPT1
POLR2K
DHODH
POLD3
POLR2L
NME1-NME2
POLA2
UPRT
CANT1
NME4
NME1
NME2
NME3
POLR3C
POLR3G
POLR3F
NUDT2
PRIM1
PRIM2
NME5
POLD4
DTYMK
CTPS1
POLA1
ENTPD8
POLE2
POLD1
POLD2
POLE
CAD
CMPK2
POLR1E

PDE3B	NT5C1A
PDE4A	POLR3A
NUDT2	DCTD
GMPR2	POLR2B
PDE6C	POLR2A
PDE6D	DCK
PDE4D	POLR2D
PDE6A	POLR2C
PRIM1	UCK1
PRIM2	UPB1
AK5	TXNRD2
GMPR	CMPK1
NME5	POLR3K
PDE7B	RRM2B
PDE5A	PNP
POLD4	POLR1B
GUCY1A2	UPP2
FHIT	CTPS2
ADCY3	POLR2J2
ADCY2	CDA
ADCY1	NT5M
POLA1	DUT
PDE3A	POLR3H
PDE2A	UCKL1
PDE1C	POLR2J3
ADSS1	POLR1A
ADA	POLR3B
ENTPD8	ENTPD4
POLE2	ITPA
PDE8A	POLR1C
PDE9A	POLE4
PDE1B	RRM1
NUDT9	RRM2
POLD1	POLR3D
GDA	NT5C3A
POLD2	DPYS
POLE	DPYD
PDE6B	TYMP
PDE7A	UMPS
PRPS1	UCK2
POLR1E	POLR3GL
PAICS	TK1
NT5C1A	NT5E
POLR2B	TK2
POLR3A	UPP1
PDE6H	ENTPD6
POLR2A	ENTPD5
PDE6G	ENTPD3
POLR2D	ENTPD1
DCK	NT5C1B
POLR2C	NT5C

ADCY8	NME7
ADCY9	AK3
ADCY6	ZNRD1
AK7	
ADCY7	
ADCY5	
GMPS	
ADCY10	
POLR3K	
POLR1B	
PNP	
RRM2B	
PDE1A	
POLR2J2	
HPRT1	
GART	
PAPSS1	
PAPSS2	
NT5M	
ADCY4	
IMPDH1	
IMPDH2	
POLR3H	
POLR2J3	
POLR1A	
POLR3B	
GUCY1B1	
PKLR	
GUCY2C	
ENTPD4	
PKM	
GUCY1A1	
GUK1	
GUCY2F	
ADK	
ITPA	
POLR1C	
URAD	
POLE4	
RRM1	
POLR3D	
RRM2	
NT5C3A	
PDE8B	
POLR3GL	
NT5E	
NPR2	
NPR1	
PDE10A	
ENTPD6	
ENTPD2	

ENTPD5
ENTPD3
NUDT5
ENTPD1
PFAS
NT5C1B
APRT
PRPS1L1
PPAT
NME7
NT5C
ALLC
ZNRD1