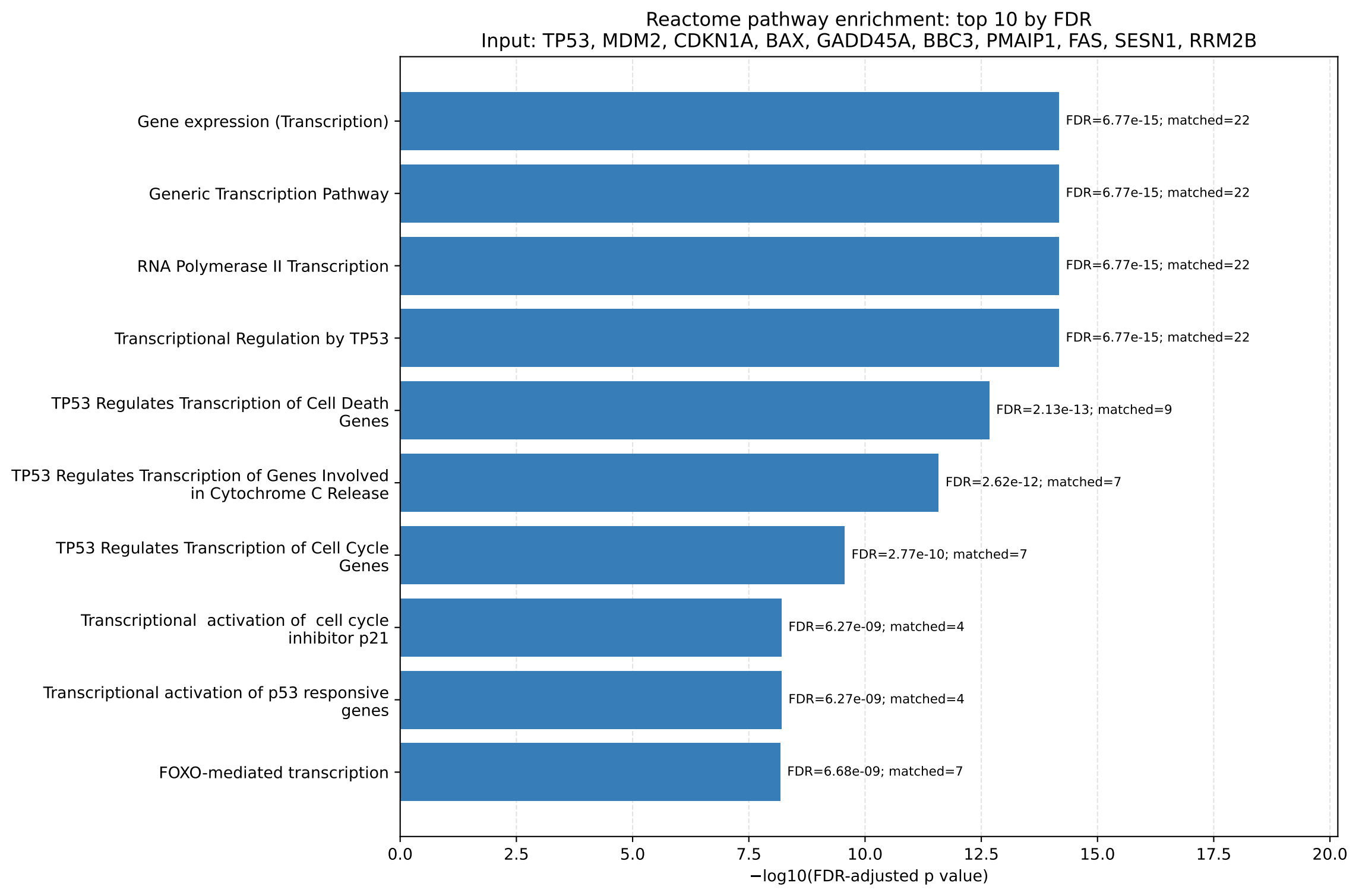

Reactome pathway enrichment: top 10 by FDR
Input: TP53, MDM2, CDKN1A, BAX, GADD45A, BBC3, PMAIP1, FAS, SESN1, RRM2B
Gene expression (Transcription)
Generic Transcription Pathway
RNA Polymerase II Transcription
Transcriptional Regulation by TP53
TP53 Regulates Transcription of Cell Death Genes
TP53 Regulates Transcription of Genes Involved in Cytochrome C Release
TP53 Regulates Transcription of Cell Cycle Genes
Transcriptional activation of cell cycle inhibitor p21
Transcriptional activation of p53 responsive genes
FOXO-mediated transcription
FDR=6.77e-15; matched=22
FDR=6.77e-15; matched=22
FDR=6.77e-15; matched=22
FDR=6.77e-15; matched=22
FDR=2.13e-13; matched=9
FDR=2.62e-12; matched=7
FDR=2.77e-10; matched=7
FDR=6.27e-09; matched=4
FDR=6.27e-09; matched=4
FDR=6.68e-09; matched=7
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
−log10(FDR-adjusted p value)