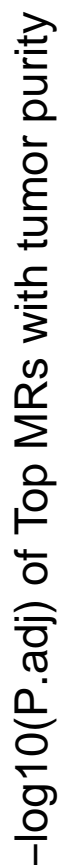


Volcano plot showing the significance of top MRs without tumor purity. The x-axis is $-\log_{10}(\text{P.adj})$ of Top MRs without tumor purity, ranging from 0 to 12.5. The y-axis is $-\log_{10}(\text{P.adj})$ of Top MRs with tumor purity, ranging from 0 to 12.5. A solid blue line represents the null hypothesis, and a dashed red line represents the significance threshold at approximately 1.3. Data points are colored black, yellow, and green. Labeled genes include PSMB9, ZBED2, PLSCR1, IRF7, EIF2AK2, NFKBIL1, EIF2AK3, IRF1, RRM2, IFI16, LUM, MND4, ITGB2, COL1A1, RHOG, PTAFR, LPXN, SLA2, IKZF3, PARP15, CD86, BTK, POU2AF1, ICAM1, CD28, CD40LG, CD38, KLHL6, NLRC5, SP140, FASLG, CD74, and FOXP3.



–log₁₀(P.adj) of Top MRs without tumor purity

- MRs
- Cold MRs
- Hot MRs