## Non-neoplastic tumor, MMR P/LP vs. no P/LP 0.10 0.05 exposure difference sig etiology 0.00 MMR Non-Repair -0.05 Other repair -0.10-0.15SBS85 SBS10c SBS13 SBS87 SBS32 SBS44 SBS25 SBS25 SBS6 SBS39 SBS30 SBS9 SBS1 SBS18 SBS5 COSMIC v3.3 signature