445 missense variants predicted as deleterious by this UGT-optimized framework GMAF of missense variants predicted as deleterious 0.9 -0.8 -0.7 -0.6 -Variant ID (GMAF>0.01) 0.5 -4-70462042-C-T 0.4 -0.3 -0.2 -12 12 80 76 15 82 72 73 77 77 88 90 28 98 81 21 UGT1A4 UGT1A5 UGT1A8 UGT1A9 UGT2A1 UGT2A2 UGT2B4 UGT2B7 UGT3A1 UGT8 UGT1A1 UGT1A3 UGT1A6 **UGT1A7** UGT1A10 UGT2A3 UGT2B10 UGT2B15 UGT2B28 UGT3A2 UGT2B11 UGT2B17