

Definitions:

- Fully benefited group: an L5 group in which all drug targets have better results when using feature-based MTL as compared to STL or instance-based MTL as compared to feature-based MTL
- No benefit group: an L5 group in which none of the drug targets have better results when using feature-based MTL as compared to STL or instance-based MTL as compared to feature-based MTL

Feature-based MTL no_benefit drug target classes and their size (i.e. number of drug targets)

Neurotensin_receptor | 4
Nuclear_hormone_receptor_subfamily_2_group_B_member_3 | 3
Metallo_protease_M24B_subfamily | 4
Other_protein_kinase_PEK_family | 4
Calcitonin_receptor | 2
SLC07_Cationic_amino_acid_transporter_glycoprotein-associated_family | 2
Nuclear_hormone_receptor_subfamily_2_group_B_member_2 | 3
Threonine_protease_T1A_subfamily | 5
Metallo_protease_M19_family | 2
Cholecystokinin_receptor | 9
Tyrosine_protein_kinase_Csk_family | 2
Metallo_protease_M4_family | 2

Feature-based MTL full_benefit drug target classes and their size (i.e. number of drug targets)

TKL_protein_kinase_RAF_family | 2
Other_protein_kinase_CAMKK_family | 2
Other_protein_kinase_NKF1_family | 2
CAMK_protein_kinase_DAPK_family | 5
Nuclear_hormone_receptor_subfamily_3_group_C_member_3 | 2
Atypical_protein_kinase_RIO_family | 3
CAMK_protein_kinase_PKD_family | 3
CMGC_protein_kinase_RCK_family | 2
Nuclear_hormone_receptor_subfamily_1_group_C_member_2 | 2
Serine_protease_S29_family | 2
Other_protein_kinase_AUR_family | 3
CAMK_protein_kinase_PIM_family | 3
Tyrosine_protein_kinase_DDR_family | 2
CMGC_protein_kinase_SRPK_family | 3
Tyrosine_protein_kinase_Trk_family | 3
Other_protein_kinase_TLK_family | 2
Cannabinoid_receptor | 6
Tyrosine_protein_kinase_Met_family | 2
Other_protein_kinase_CK2_family | 3

TKL_protein_kinase_IRAK_family | 3
Cytochrome_P450_51A1 | 2
Steroid-like_ligand_receptor | 2
Cytochrome_P450_17A1 | 2
AGC_protein_kinase_PKN_family | 2
Orexin_receptor | 2
Nuclear_hormone_receptor_subfamily_3_group_C_member_2 | 2
Tyrosine_protein_kinase_Tie_family | 2
Anaphylatoxin_receptor | 2
Tyrosine_protein_kinase_JakB_family | 2
Nuclear_hormone_receptor_subfamily_1_group_H_member_3 | 2
CAMK_protein_kinase_PHK_family | 2
CAMK_protein_kinase_DCAMK1_family | 3
Cytochrome_P450_19A1 | 2
CAMK_protein_kinase_CAMK2_family | 4
Cytochrome_P450_5A1 | 2
Nuclear_hormone_receptor_subfamily_3_group_C_member_4 | 3
Tyrosine_protein_kinase_Ack_family | 2
Glucagon-like_peptide_receptor | 2
Tyrosine_protein_kinase_JakA_family | 2
Tyrosine_protein_kinase_Fer_family | 2

Instance-based MTL no_benefit drug target classes and their size (i.e. number of drug targets)

Serine_protease_S29_family | 2
Cytochrome_P450_51A1 | 2
Other_protein_kinase_NKF1_family | 2
Cytochrome_P450_5A1 | 2
AGC_protein_kinase_PKN_family | 2
Nuclear_hormone_receptor_subfamily_3_group_C_member_2 | 2
Other_protein_kinase_TLK_family | 2
Tyrosine_protein_kinase_Tie_family | 2
Aspartic_protease_A2A_subfamily | 3

Instance-based full_benefit drug target classes and their size (i.e. number of drug targets)

Serine_protease_S9B_subfamily | 7
Neurotensin_receptor | 4
Nuclear_hormone_receptor_subfamily_1_group_A_member_2 | 2
Other_protein_kinase_CAMKK_family | 2
Cytochrome_P450_11B1 | 3
CAMK_protein_kinase_DAPK_family | 5
Protease-activated_receptor | 2
Metallo_protease_M12B_subfamily | 7

Other_protein_kinase_PEK_family | 4
Corticotropin_releasing_factor_receptor | 5
Free_fatty_acid_receptor | 5
AGC_protein_kinase_RSK_family | 4
GABA-B_receptor | 2
CAMK_protein_kinase_TSSK_family | 2
TKL_protein_kinase_RIPK_family | 4
TKL_protein_kinase_LISK_family | 3
Angiotensin_receptor | 10
CMGC_protein_kinase_RCK_family | 2
Nuclear_hormone_receptor_subfamily_1_group_C_member_2 | 2
AGC_protein_kinase_DMPK_family | 7
Other_protein_kinase_AUR_family | 3
CAMK_protein_kinase_PIM_family | 3
Metallo_protease_M14A_subfamily | 6
Tyrosine_protein_kinase_DDR_family | 2
Metallo_protease_M24A_subfamily | 4
Tyrosine_protein_kinase_EGFR_family | 6
Metallo_protease_M24B_subfamily | 4
Glucagon_receptor | 3
CAMK_protein_kinase_MAPKAPK_family | 5
Endothelin_receptor | 9
Tyrosine_protein_kinase_Met_family | 2
Cannabinoid_receptor | 6
Other_protein_kinase_ULK_family | 4
Motilin_receptor | 2
Tyrosine_protein_kinase_Fak_family | 3
Metallo_protease_M4_family | 2
Serine_protease_S8A_subfamily | 2
AGC_protein_kinase_GRK_family | 5
TKL_protein_kinase_IRAK_family | 3
Other_protein_kinase_NAK_family | 4
Steroid-like_ligand_receptor | 2
Glycokhormone_receptor | 3
MCH_receptor | 4
Nuclear_hormone_receptor_subfamily_2_group_B_member_3 | 3
Cytochrome_P450_17A1 | 2
GnRH_receptor | 2
Orexin_receptor | 2
CK1_protein_kinase_CK1_family | 7
AGC_protein_kinase_NDR_family | 4
Cholecystokinin_receptor | 9
Tyrosine_protein_kinase_JakB_family | 2
AGC_protein_kinase_PKG_family | 4
Adenosine_receptor | 15

Nuclear_hormone_receptor_subfamily_1_group_H_member_3 | 2
Trace_amine_receptor | 4
CAMK_protein_kinase_DCAMK1_family | 3
Other_protein_kinase_PLK_family | 4
Nuclear_hormone_receptor_subfamily_1_group_C_member_1 | 4
Serine_protease_S21_family | 5
Receptor_tyrosine-protein_phosphatase | 5
Somatostatin_receptor | 9
Metallo_protease_M13_family | 7
Melatonin_receptor | 4
Nuclear_hormone_receptor_subfamily_3_group_C_member_4 | 3
Cytochrome_P450_1A1 | 2
Nuclear_hormone_receptor_subfamily_1_group_C_member_3 | 3
Metabotropic_glutamate_receptor | 17
Histamine_receptor | 13
CMGC_protein_kinase_CLK_family | 4
Tyrosine_protein_kinase_Axl_family | 3
Vasopressin_and_oxytocin_receptor | 10
Tyrosine_protein_kinase_Ack_family | 2
STE_protein_kinase_STE7_family | 7
Tyrosine_protein_kinase_JakA_family | 2
STE_protein_kinase_STE20_family | 27
Atypical_protein_kinase_PIKK_family | 4
Tyrosine_protein_kinase_Fer_family | 2
CMGC_protein_kinase_CDKL_family | 4