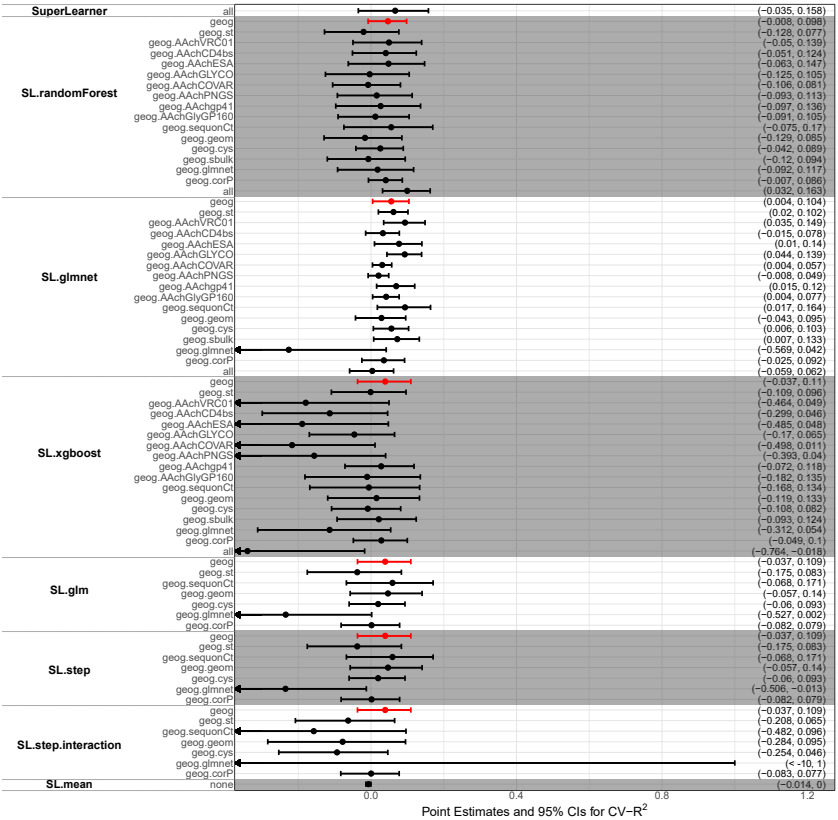
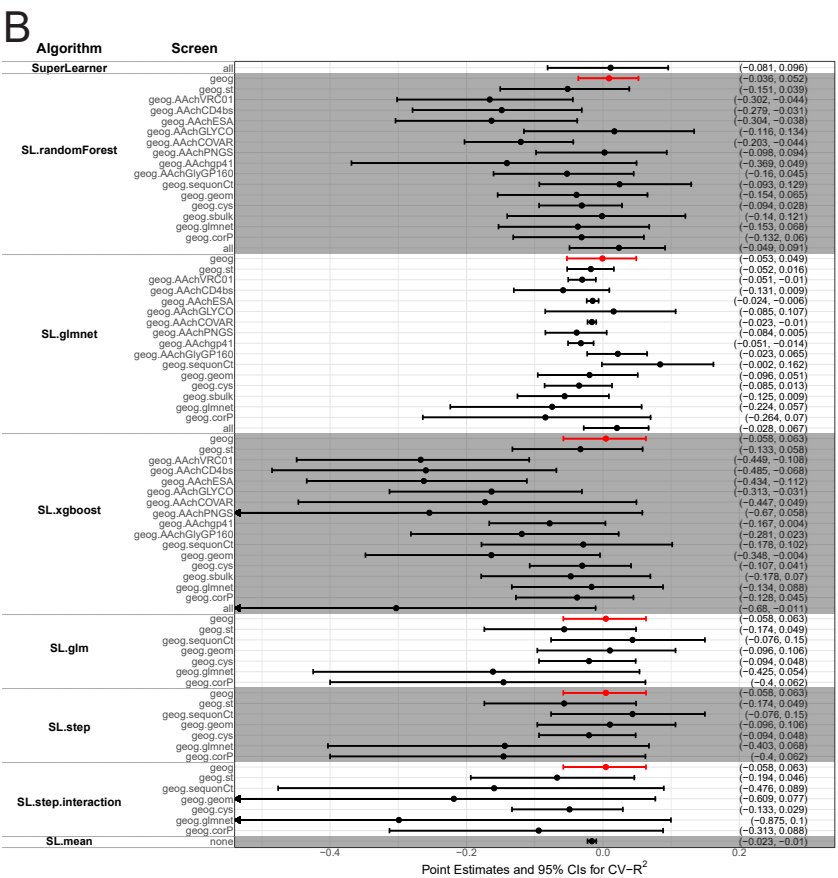

A
Algorithm
Screen
SuperLearner
all (−0.035, 0.158)
SL.randomForest
geog (−0.008, 0.098)
geog.st (−0.128, 0.077)
geog.AAchVRC01 (−0.05, 0.139)
geog.AAchCD4bs (−0.051, 0.124)
geog.AAchESA (−0.063, 0.147)
geog.AAchGLYCO (−0.125, 0.105)
geog.AAchCOVAR (−0.106, 0.081)
geog.AAchPNGS (−0.093, 0.113)
geog.AAchgp41 (−0.097, 0.136)
geog.AAchGlyGP160 (−0.091, 0.105)
geog.sequonCt (−0.075, 0.17)
geog.geom (−0.129, 0.085)
geog.cys (−0.042, 0.089)
geog.sbulk (−0.12, 0.094)
geog.glmnet (−0.092, 0.117)
geog.corP (−0.007, 0.086)
all (0.032, 0.163)
SL.glmnet
geog (0.004, 0.104)
geog.st (0.02, 0.102)
geog.AAchVRC01 (0.035, 0.149)
geog.AAchCD4bs (−0.015, 0.078)
geog.AAchESA (0.01, 0.14)
geog.AAchGLYCO (0.044, 0.139)
geog.AAchCOVAR (0.004, 0.057)
geog.AAchPNGS (−0.008, 0.049)
geog.AAchgp41 (0.015, 0.12)
geog.AAchGlyGP160 (0.004, 0.077)
geog.sequonCt (0.017, 0.164)
geog.geom (−0.043, 0.095)
geog.cys (0.006, 0.103)
geog.sbulk (0.007, 0.133)
geog.glmnet (−0.569, 0.042)
geog.corP (−0.025, 0.092)
all (−0.059, 0.062)
SL.xgboost
geog (−0.037, 0.11)
geog.st (−0.109, 0.096)
geog.AAchVRC01 (−0.464, 0.049)
geog.AAchCD4bs (−0.299, 0.046)
geog.AAchESA (−0.485, 0.048)
geog.AAchGLYCO (−0.17, 0.065)
geog.AAchCOVAR (−0.498, 0.011)
geog.AAchPNGS (−0.393, 0.04)
geog.AAchgp41 (−0.072, 0.118)
geog.AAchGlyGP160 (−0.182, 0.135)
geog.sequonCt (−0.168, 0.134)
geog.geom (−0.119, 0.133)
geog.cys (−0.108, 0.082)
geog.sbulk (−0.093, 0.124)
geog.glmnet (−0.312, 0.054)
geog.corP (−0.049, 0.1)
all (−0.764, −0.018)
SL.glm
geog (−0.037, 0.109)
geog.st (−0.175, 0.083)
geog.sequonCt (−0.068, 0.171)
geog.geom (−0.057, 0.14)
geog.cys (−0.06, 0.093)
geog.glmnet (−0.527, 0.002)
geog.corP (−0.082, 0.079)
SL.step
geog (−0.037, 0.109)
geog.st (−0.175, 0.083)
geog.sequonCt (−0.068, 0.171)
geog.geom (−0.057, 0.14)
geog.cys (−0.06, 0.093)
geog.glmnet (−0.506, −0.013)
geog.corP (−0.082, 0.079)
SL.step.interaction
geog (−0.037, 0.109)
geog.st (−0.208, 0.065)
geog.sequonCt (−0.482, 0.096)
geog.geom (−0.284, 0.095)
geog.cys (−0.254, 0.046)
geog.glmnet (< -10, 1)
geog.corP (−0.083, 0.077)
SL.mean
none (−0.014, 0)
0.0
0.4
0.8
1.2
Point Estimates and 95% CIs for CV−R2


B
Algorithm
Screen
SuperLearner
all (−0.081, 0.096)
SL.randomForest
geog (−0.036, 0.052)
geog.st (−0.151, 0.039)
geog.AAchVRC01 (−0.302, −0.044)
geog.AAchCD4bs (−0.279, −0.031)
geog.AAchESA (−0.304, −0.038)
geog.AAchGLYCO (−0.116, 0.134)
geog.AAchCOVAR (−0.203, −0.044)
geog.AAchPNGS (−0.098, 0.094)
geog.AAchgp41 (−0.369, 0.049)
geog.AAchGlyGP160 (−0.16, 0.045)
geog.sequonCt (−0.093, 0.129)
geog.geom (−0.154, 0.065)
geog.cys (−0.094, 0.028)
geog.sbulk (−0.14, 0.121)
geog.glmnet (−0.153, 0.068)
geog.corP (−0.132, 0.06)
all (−0.049, 0.091)
SL.glmnet
geog (−0.053, 0.049)
geog.st (−0.052, 0.016)
geog.AAchVRC01 (−0.051, −0.01)
geog.AAchCD4bs (−0.131, 0.009)
geog.AAchESA (−0.024, −0.006)
geog.AAchGLYCO (−0.085, 0.107)
geog.AAchCOVAR (−0.023, −0.01)
geog.AAchPNGS (−0.084, 0.005)
geog.AAchgp41 (−0.051, −0.014)
geog.AAchGlyGP160 (−0.023, 0.065)
geog.sequonCt (−0.002, 0.162)
geog.geom (−0.096, 0.051)
geog.cys (−0.085, 0.013)
geog.sbulk (−0.125, 0.009)
geog.glmnet (−0.224, 0.057)
geog.corP (−0.264, 0.07)
all (−0.028, 0.067)
SL.xgboost
geog (−0.058, 0.063)
geog.st (−0.133, 0.058)
geog.AAchVRC01 (−0.449, −0.108)
geog.AAchCD4bs (−0.485, −0.068)
geog.AAchESA (−0.434, −0.112)
geog.AAchGLYCO (−0.313, −0.031)
geog.AAchCOVAR (−0.447, 0.049)
geog.AAchPNGS (−0.67, 0.058)
geog.AAchgp41 (−0.167, 0.004)
geog.AAchGlyGP160 (−0.281, 0.023)
geog.sequonCt (−0.178, 0.102)
geog.geom (−0.348, −0.004)
geog.cys (−0.107, 0.041)
geog.sbulk (−0.178, 0.07)
geog.glmnet (−0.134, 0.088)
geog.corP (−0.128, 0.045)
all (−0.68, −0.011)
SL.glm
geog (−0.058, 0.063)
geog.st (−0.174, 0.049)
geog.sequonCt (−0.076, 0.15)
geog.geom (−0.096, 0.106)
geog.cys (−0.094, 0.048)
geog.glmnet (−0.425, 0.054)
geog.corP (−0.4, 0.062)
SL.step
geog (−0.058, 0.063)
geog.st (−0.174, 0.049)
geog.sequonCt (−0.076, 0.15)
geog.geom (−0.096, 0.106)
geog.cys (−0.094, 0.048)
geog.glmnet (−0.403, 0.058)
geog.corP (−0.4, 0.062)
SL.step.interaction
geog (−0.058, 0.063)
geog.st (−0.194, 0.046)
geog.sequonCt (−0.476, 0.089)
geog.geom (−0.609, 0.077)
geog.cys (−0.133, 0.029)
geog.glmnet (−0.875, 0.1)
geog.corP (−0.313, 0.088)
SL.mean
none (−0.023, −0.01)
−0.4
−0.2
0.0
0.2
Point Estimates and 95% CIs for CV−R2