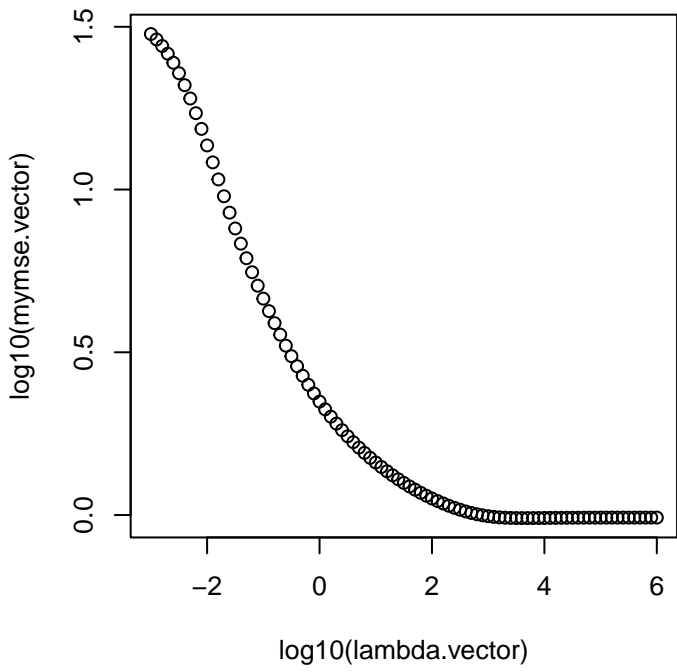
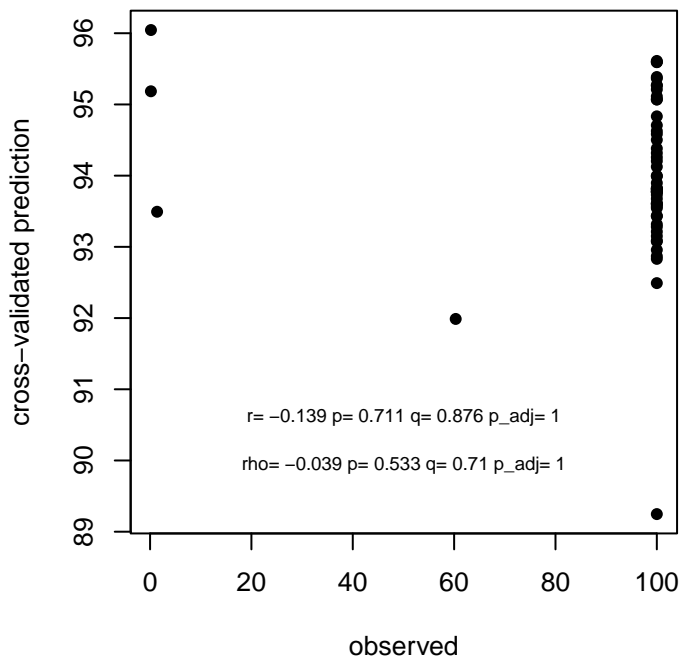


Figure S8: Correlation plots for the predicted bioactivity using the OPERA and Saagar descriptors. Each plot represents a cell-specific phenotype and reports the observed in relation to the cross-validation predictions and the corresponding correlation coefficients.

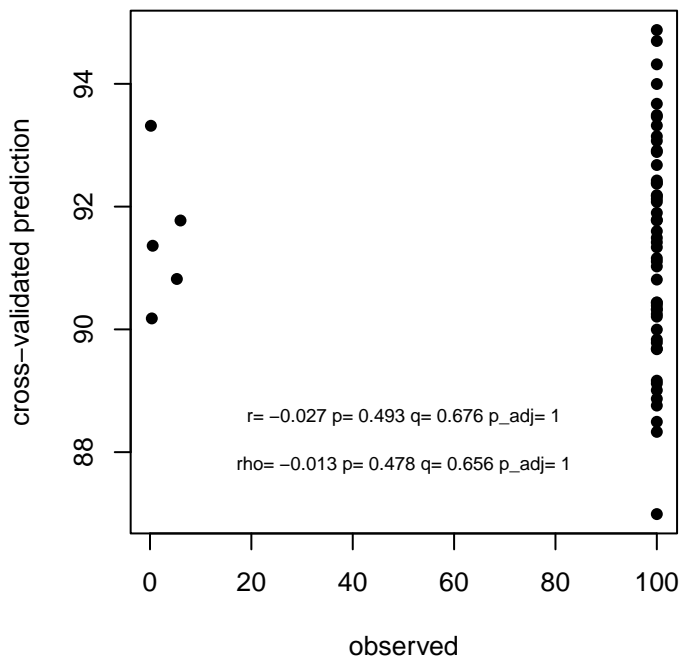
$\log_{10}(\text{lambdamin})=3.6$



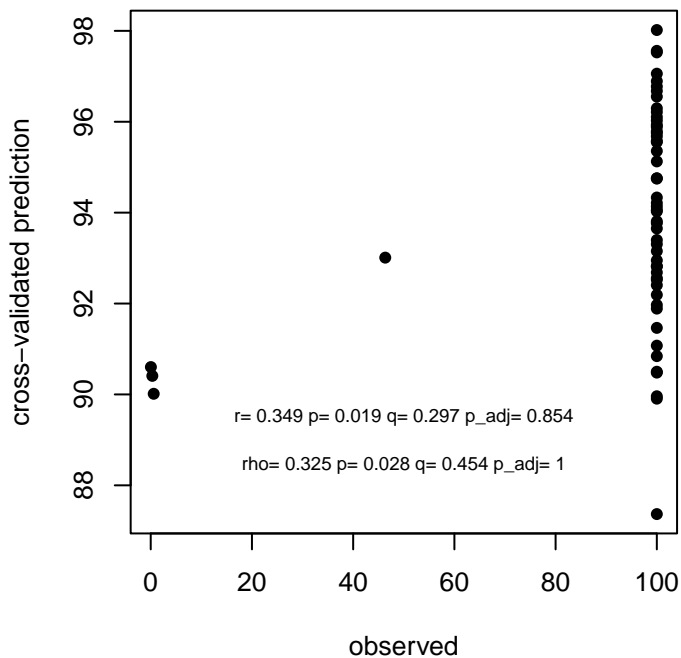
CARDIO_90min_qtprolongation



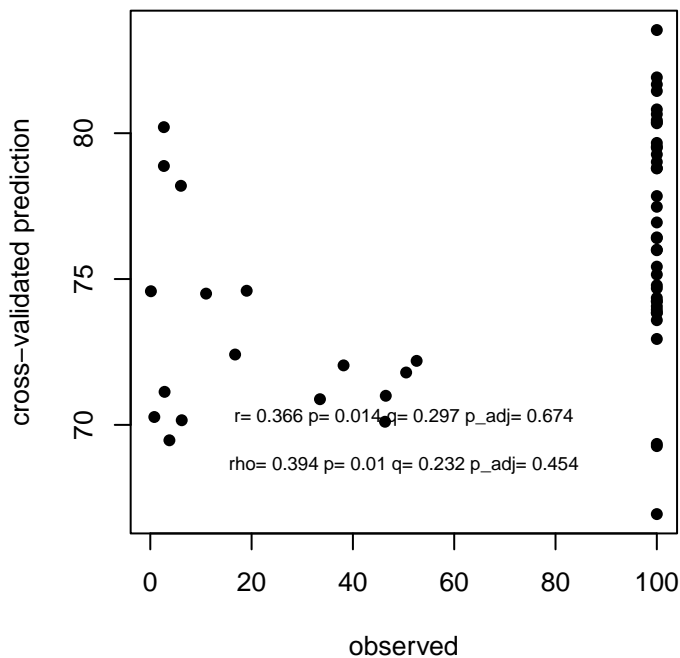
CARDIO_90min_totalcells



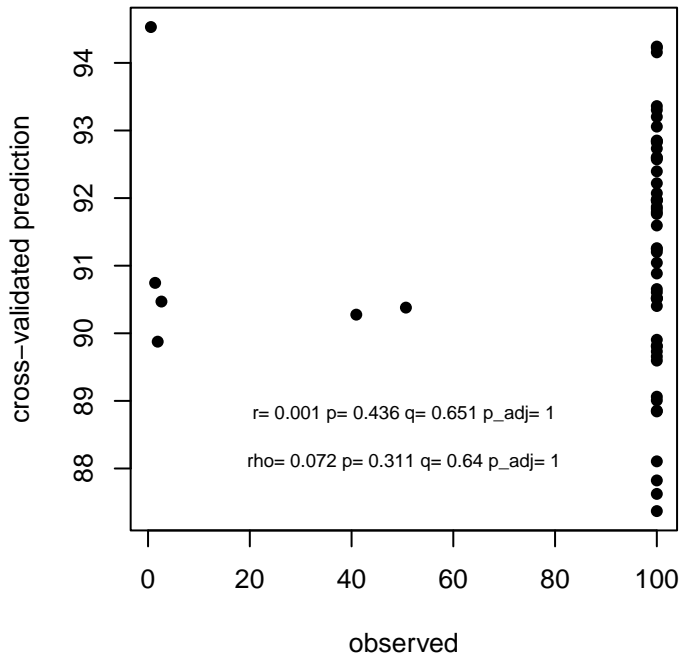
CARDIO_90min_positivechronotrope



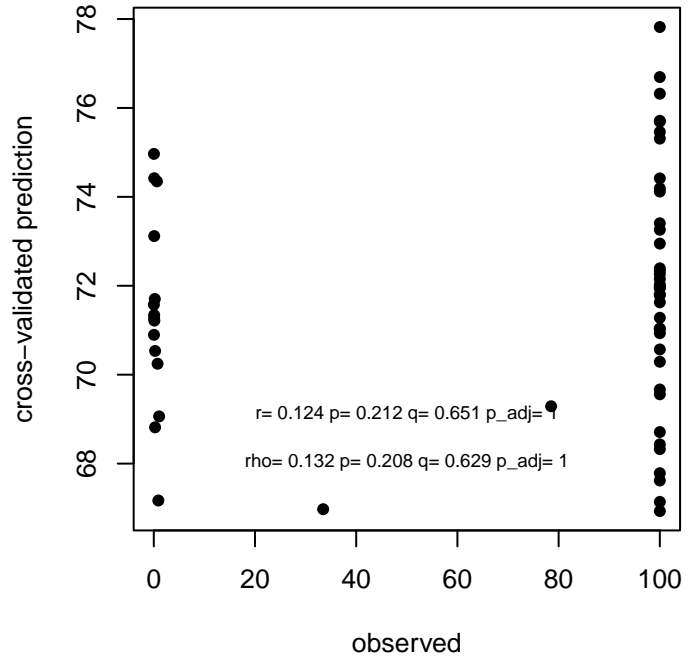
CARDIO_90min_negativechronotrope



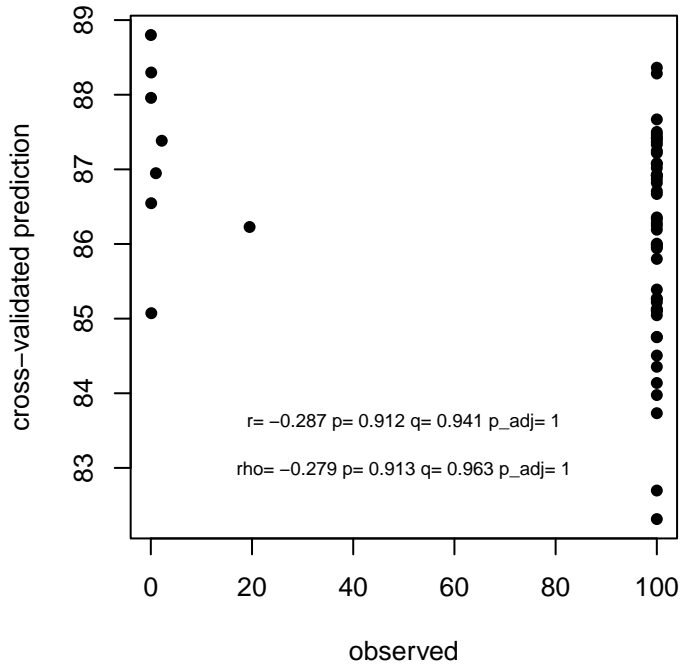
HUVEC_48hr_meantubelength



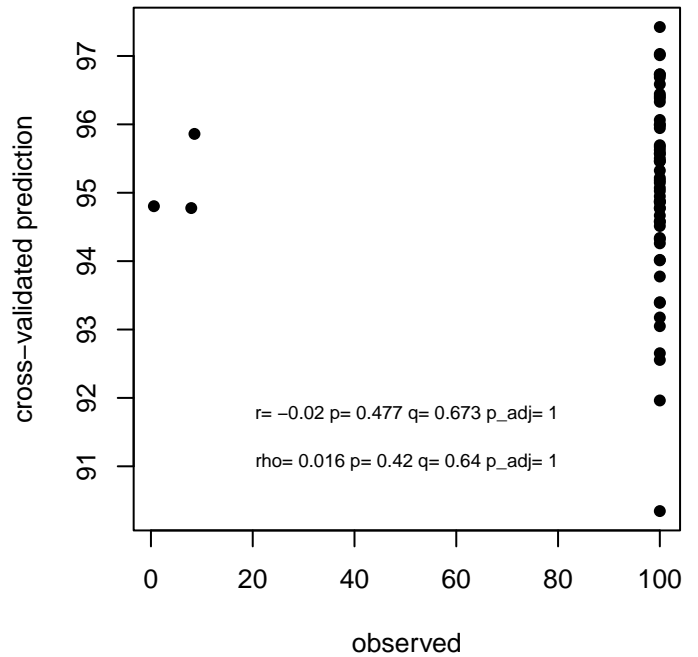
HUVEC_48hr_totaltubelength



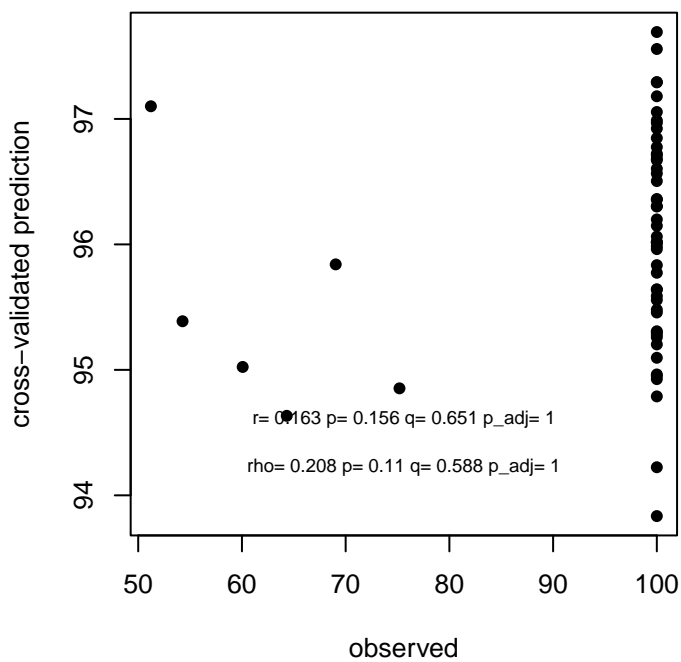
HUVEC_48hr_totaltubearea



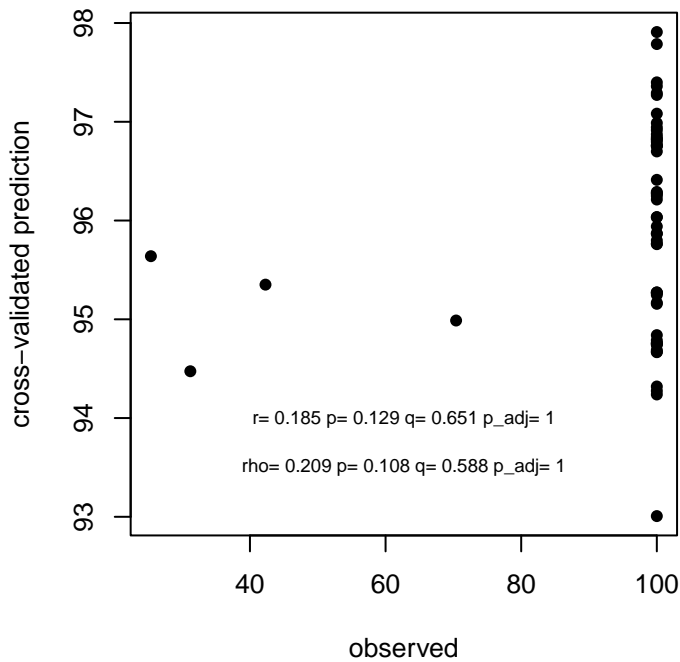
HUVEC_48hr_atpproduction



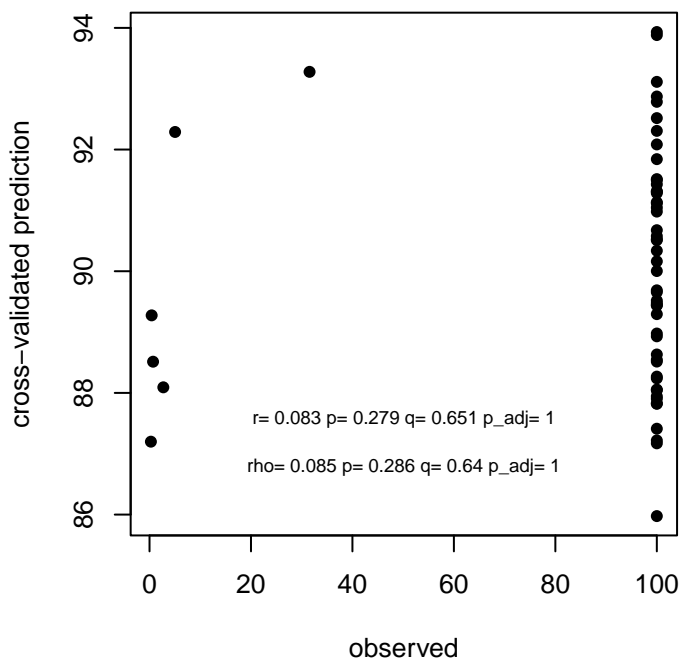
HUVEC_48hr_totalcells



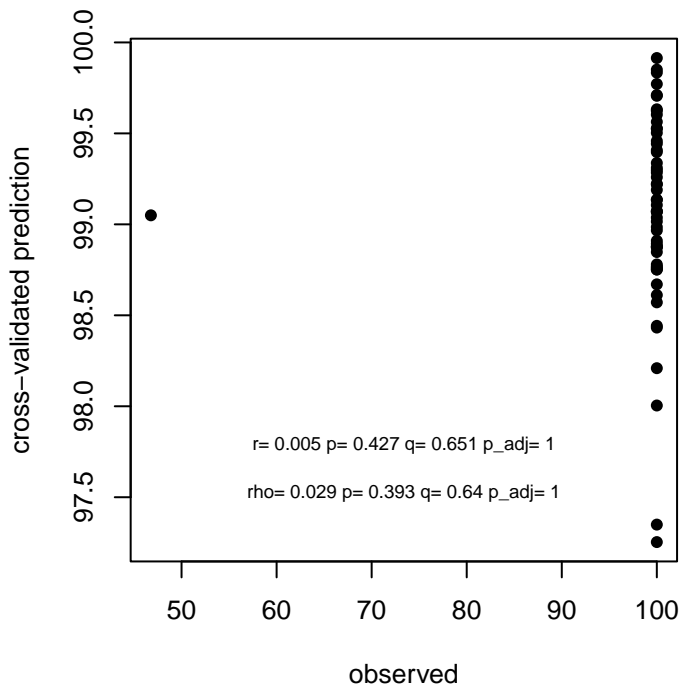
HUVEC_48hr_cytoplasmicintegrity



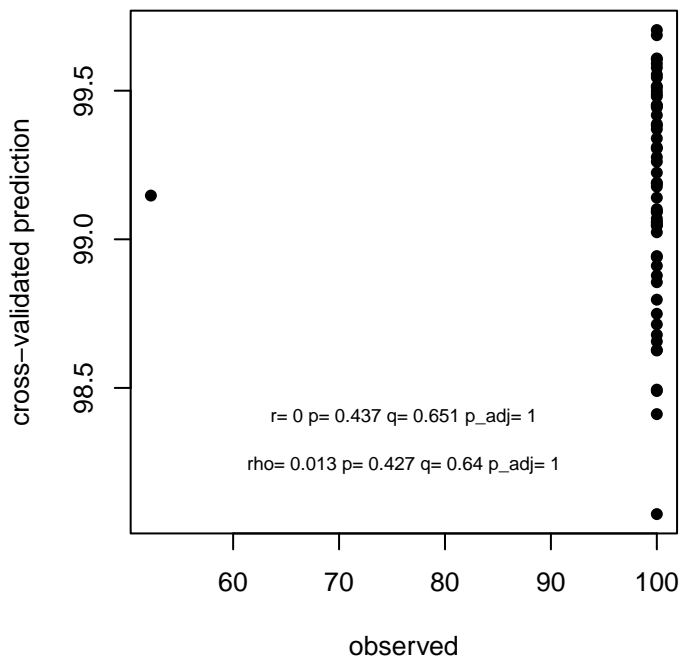
HUVEC_48hr_mitochondrialintegrity



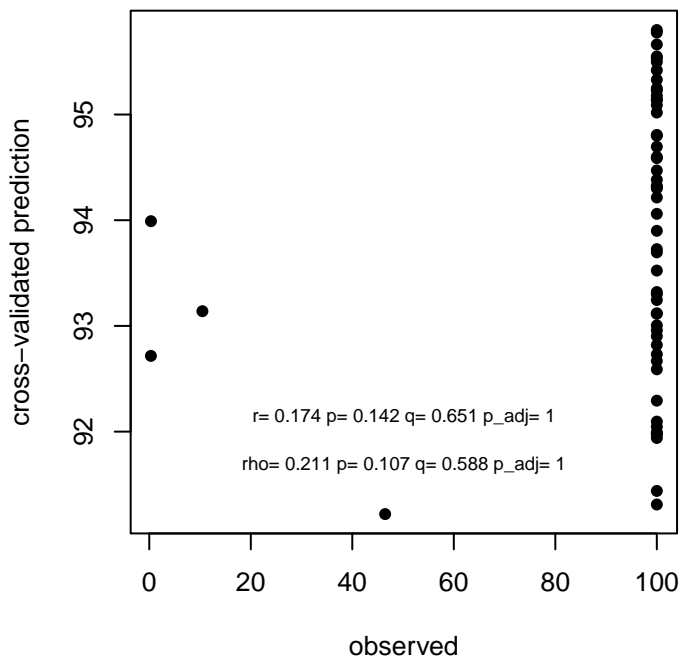
HUVEC_48hr_allnucleimeanarea



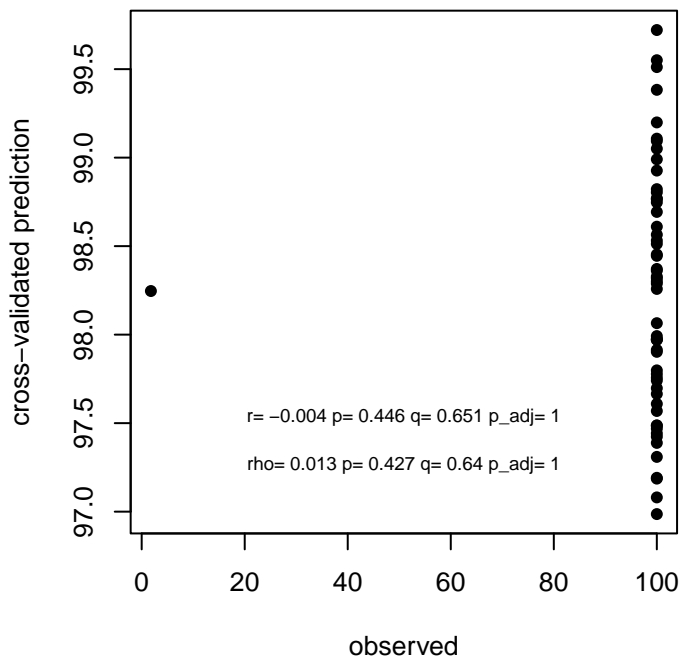
NEURONS_72hr_totalcells



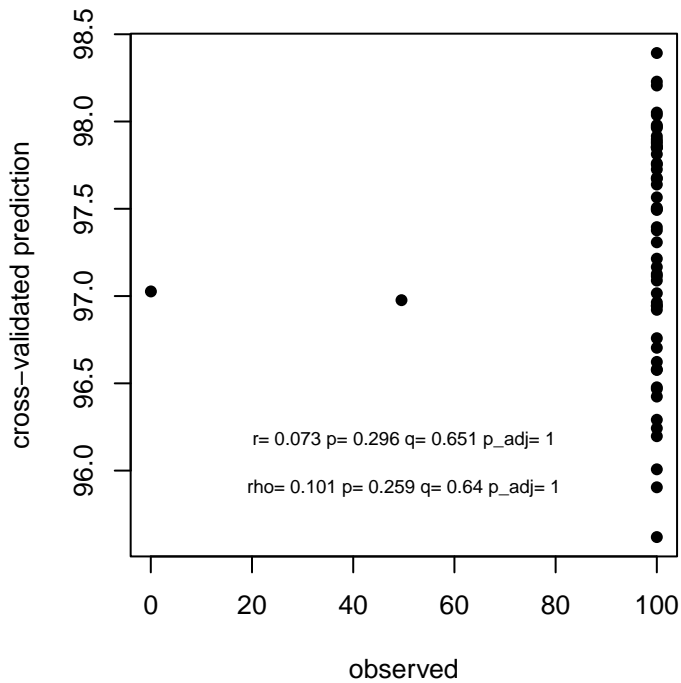
NEURONS_72hr_cytoplasmicintegrity



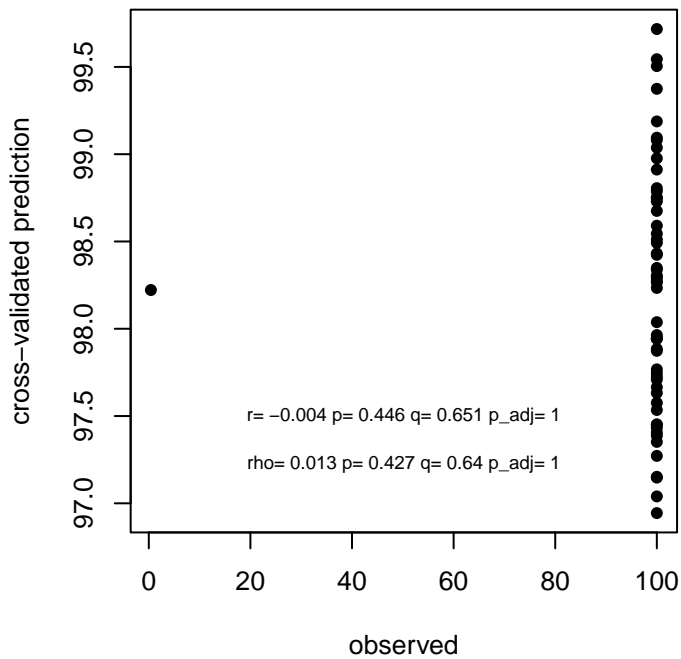
NEURONS_72hr_totaloutgrowth



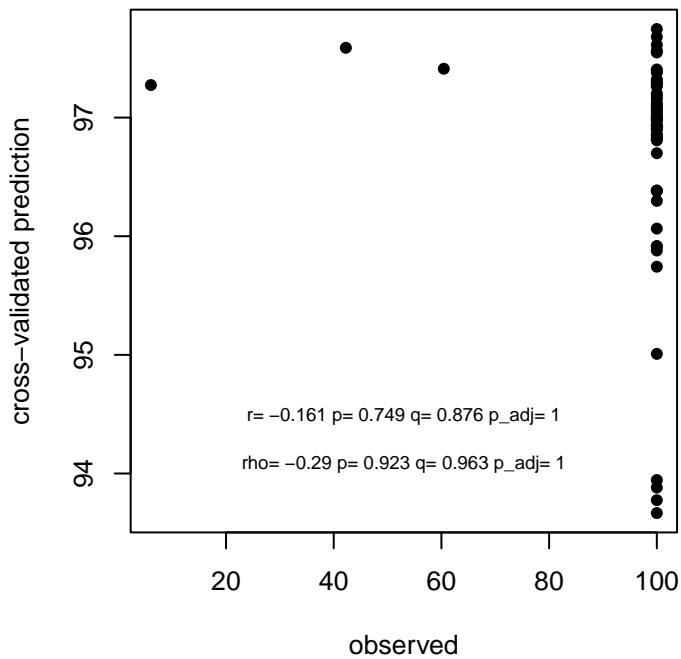
NEURONS_72hr_totalprocess



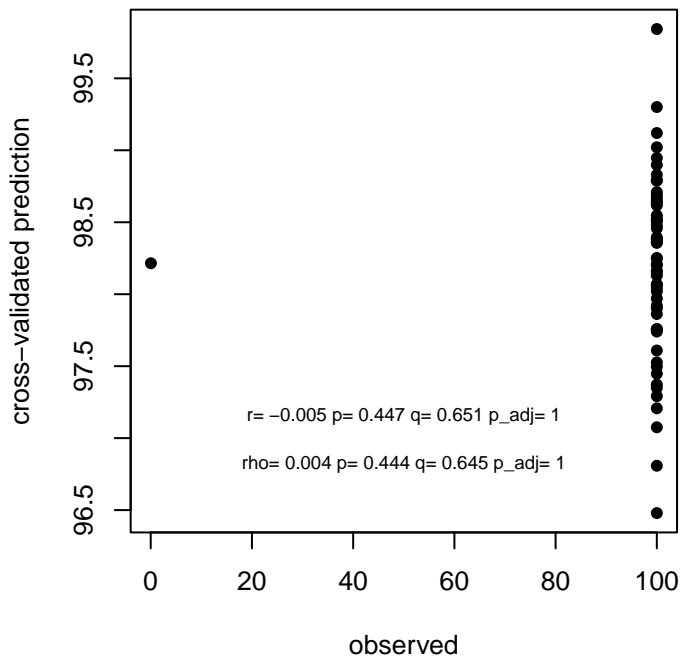
NEURONS_72hr_totalbranches



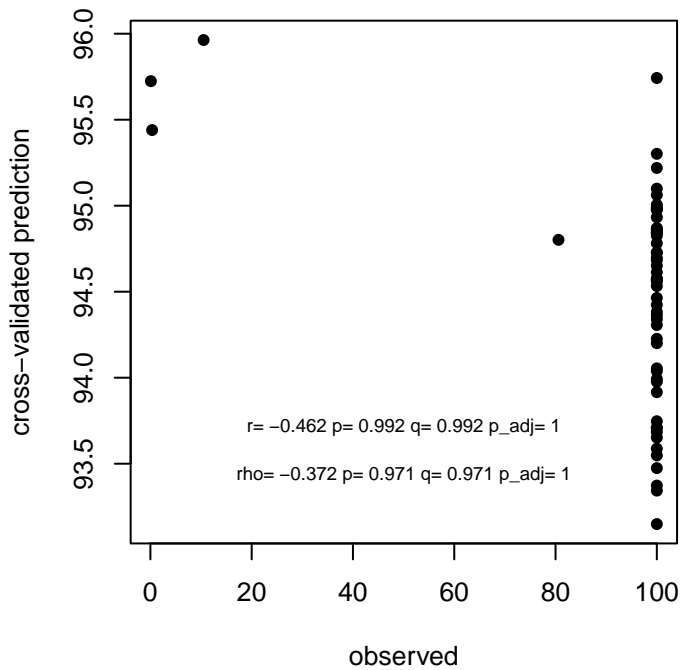
NEURONS_72hr_cellsiwithsignificantgrowth



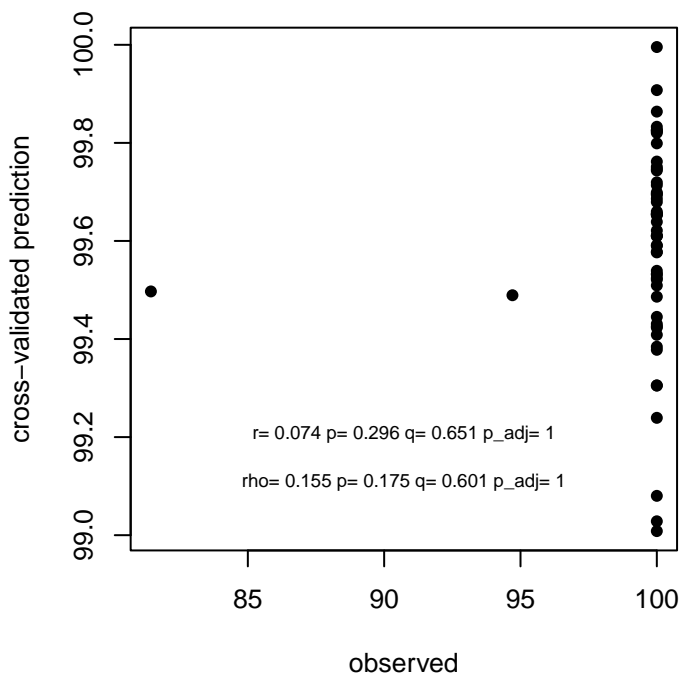
HEPATOCYTES_48hr_totalgranulearea



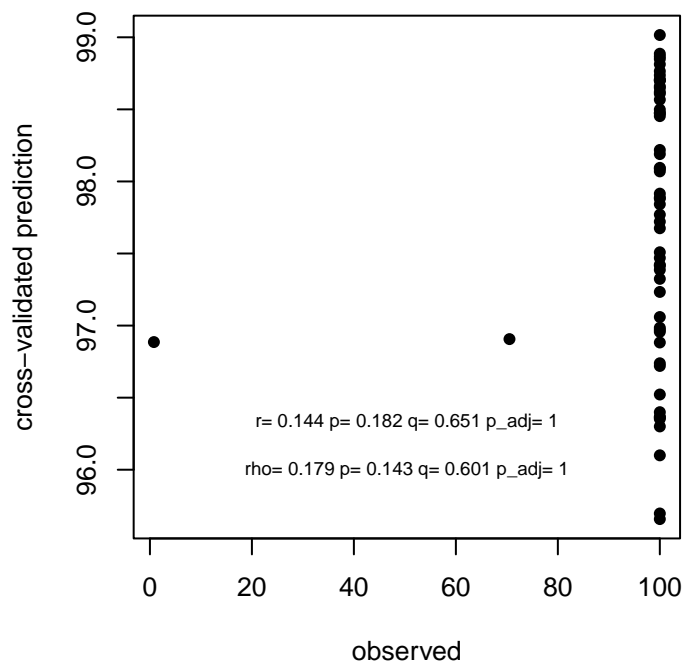
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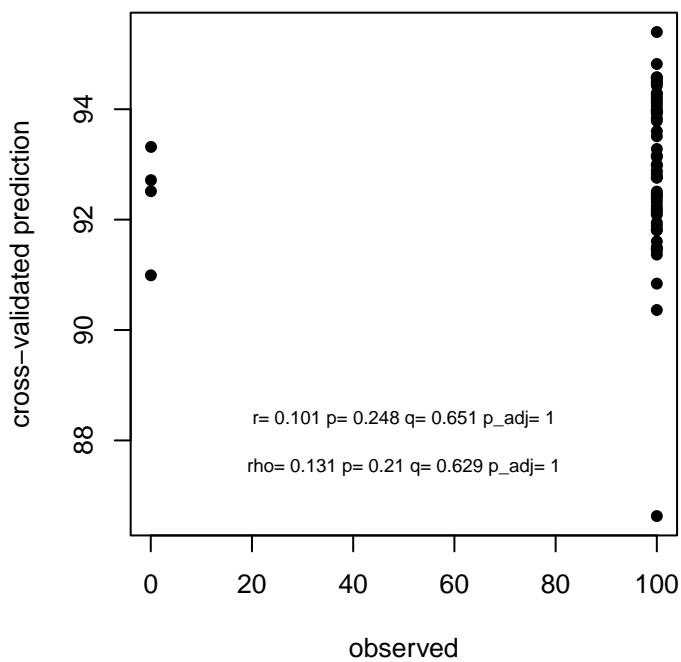
HEPATOCYTES_48hr_totalcells



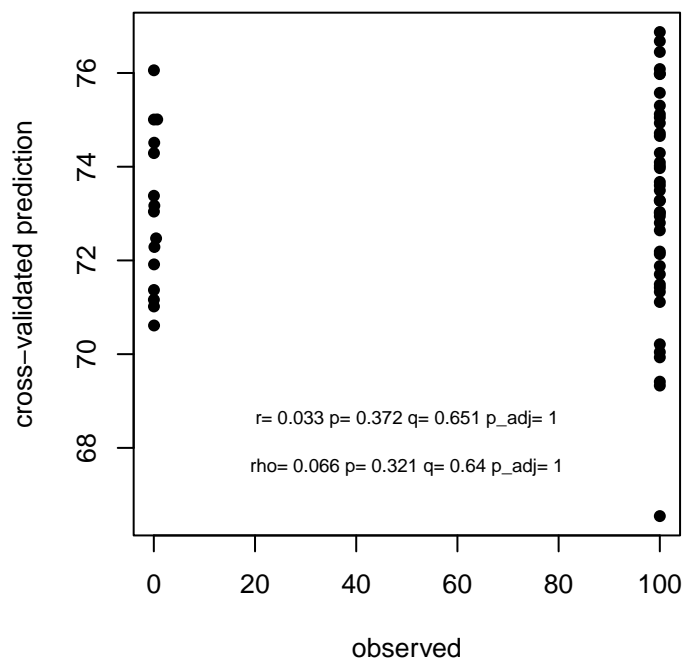
HEPATOCYTES_48hr_allcellsmeanarea



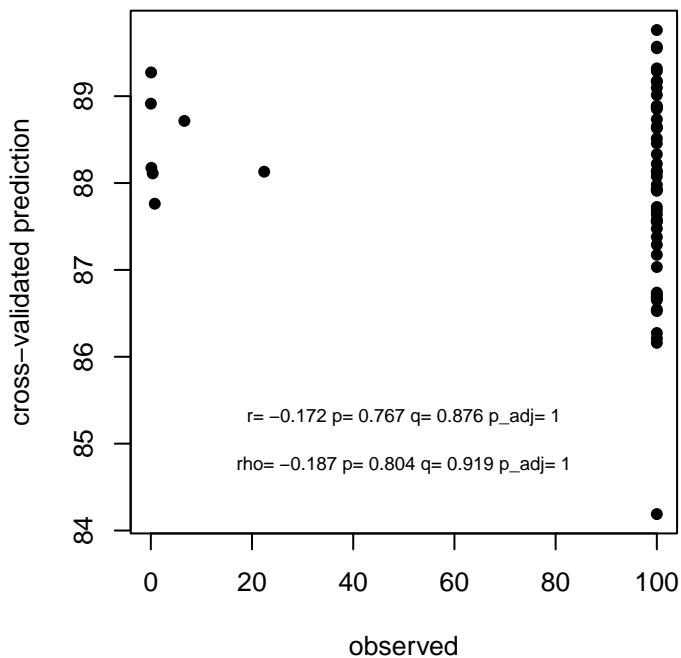
HEPATOCYTES_48hr_cytoplasmicintegrity



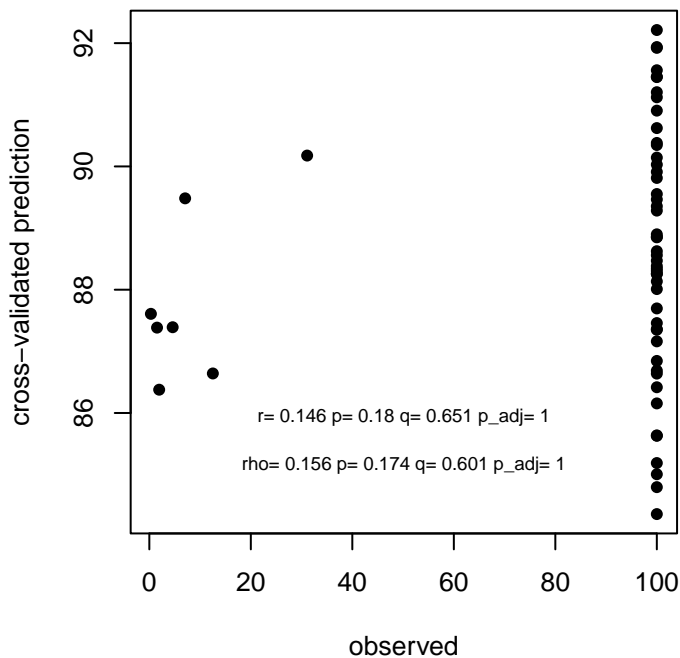
HEPATOCYTES_48hr_mitochondrialintegrity



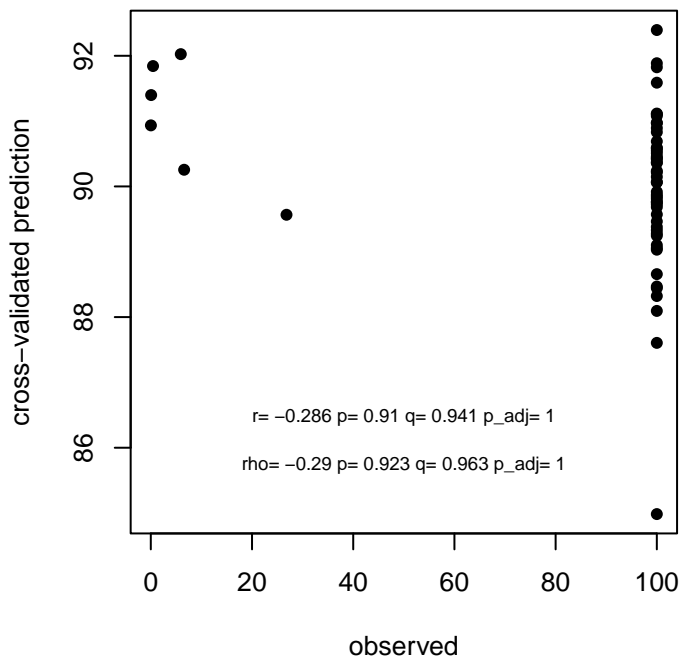
HEPATOCYTES_48hr_mitochondrialintensity



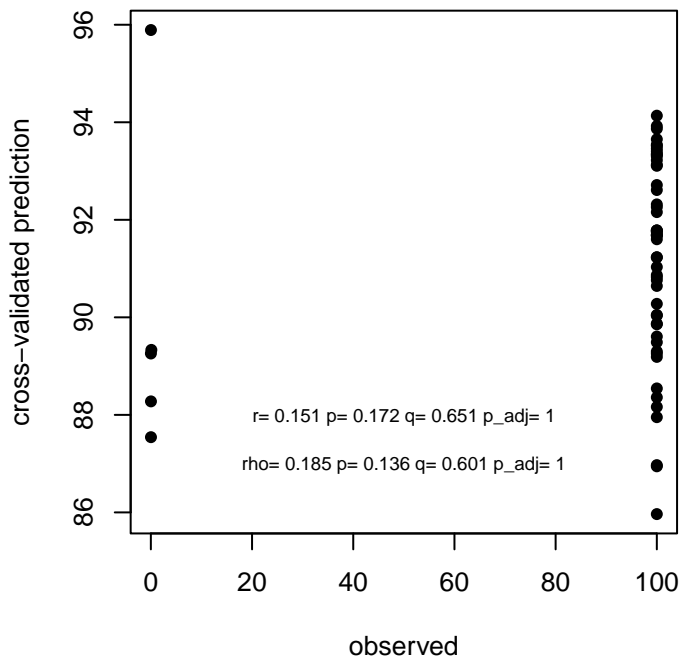
HEPATOCYTES_48hr_nucleiintensity



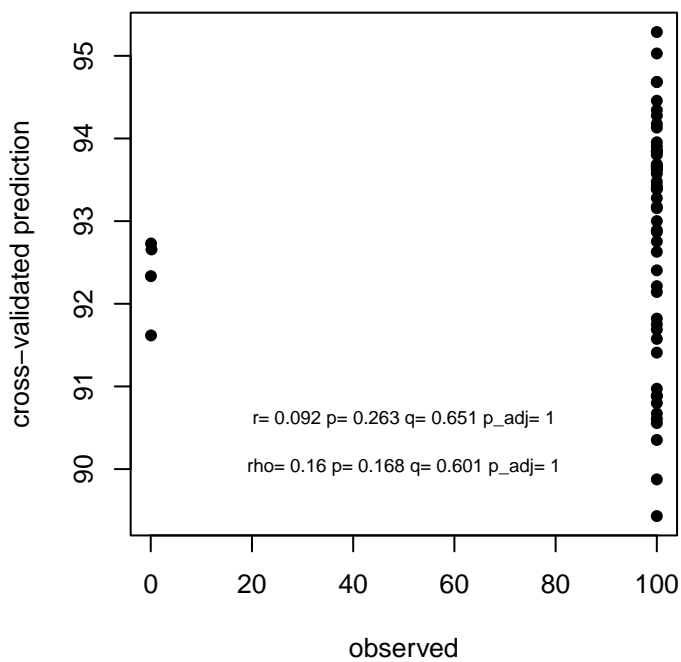
PHHs_48hr_totalgranulearea



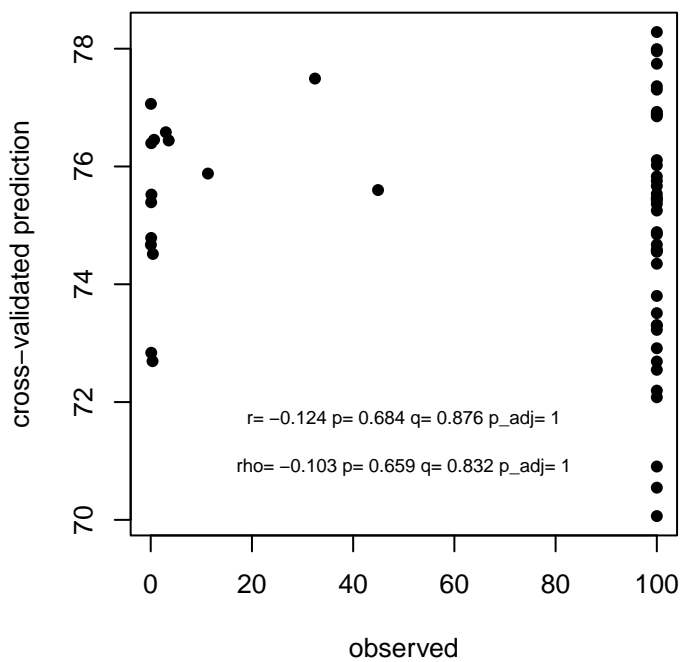
PHHs_48hr_granularity



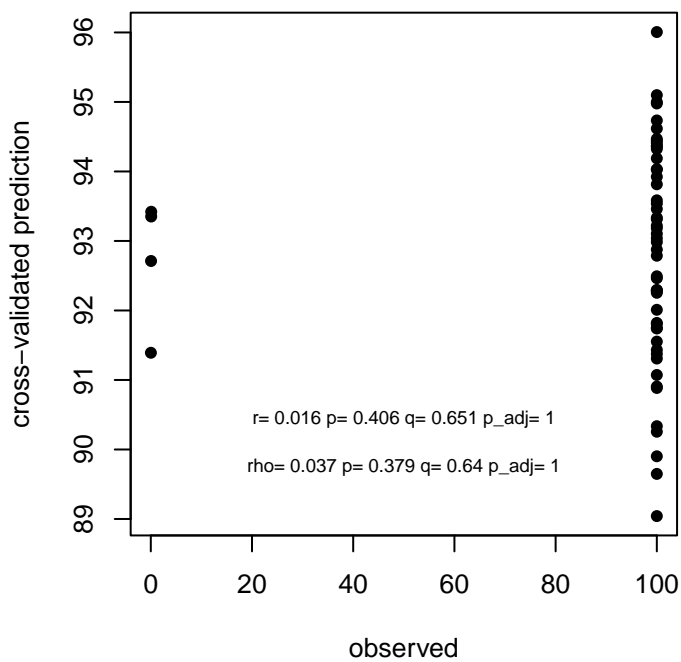
PHHs_48hr_totalcells



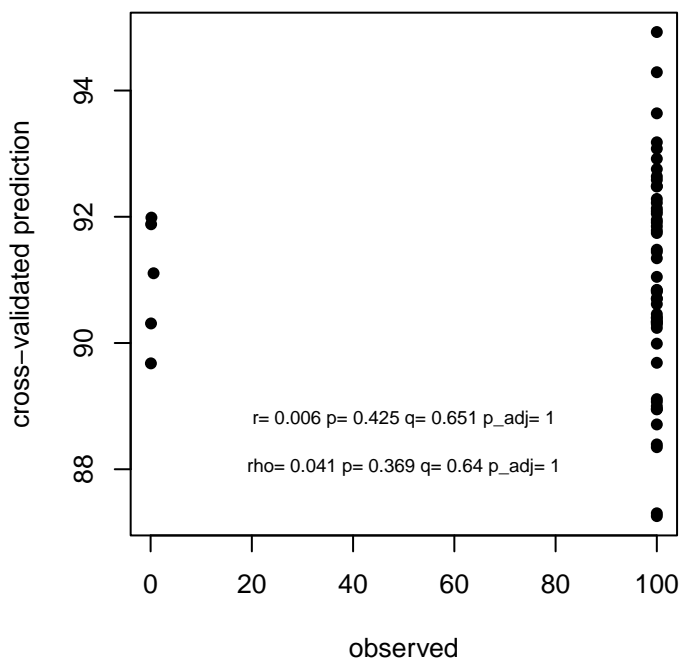
PHHs_48hr_allcellsmeanarea



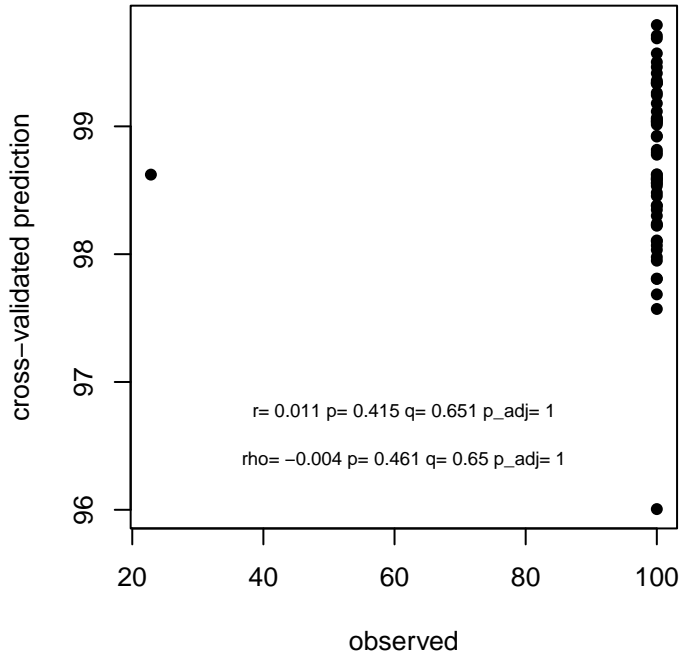
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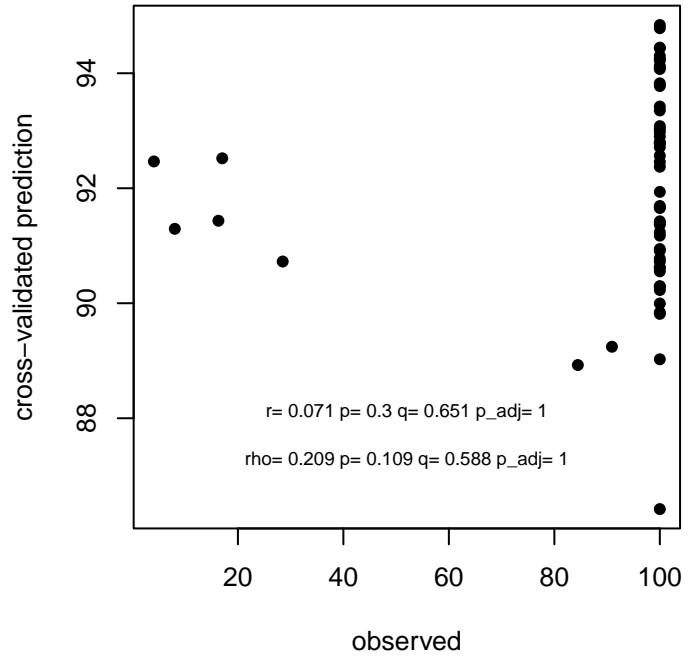
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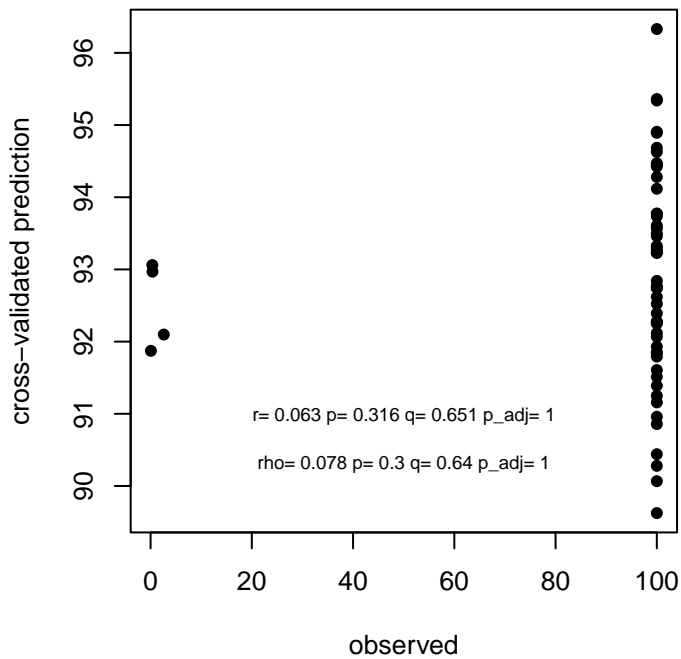
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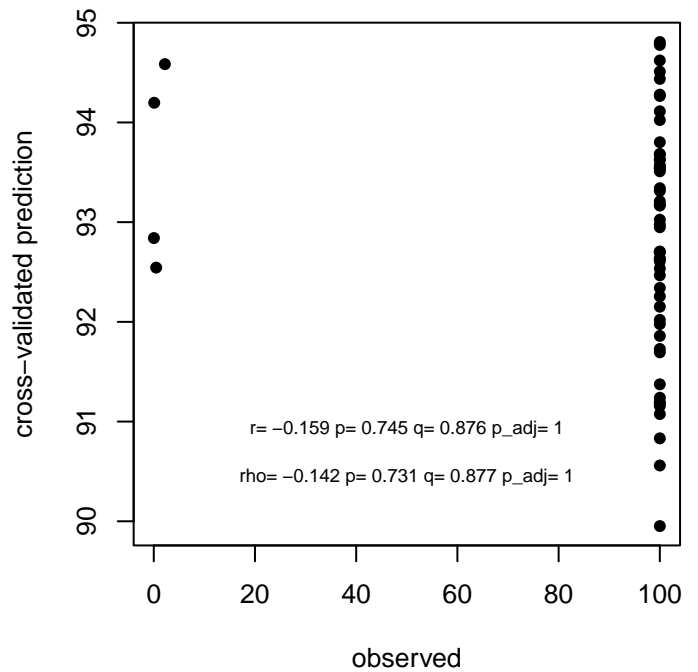
PHHs_48hr_nucleiintensity



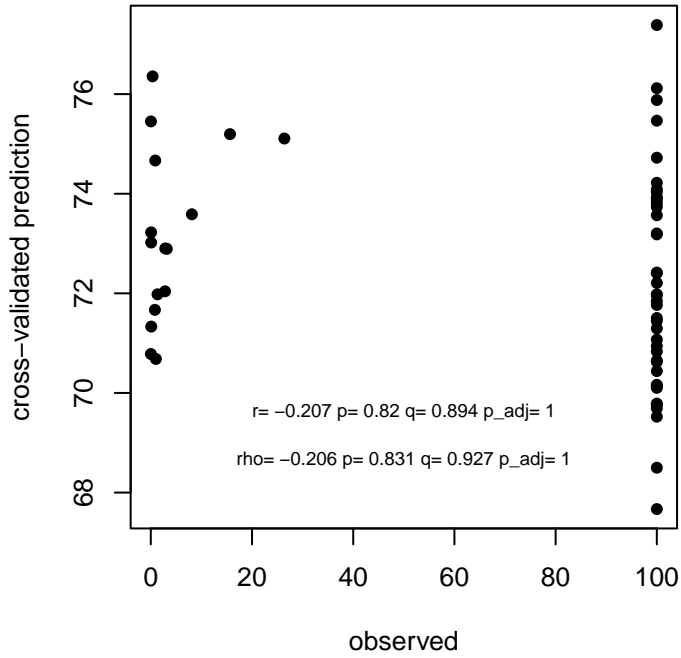
HepG2_48hr_granularity



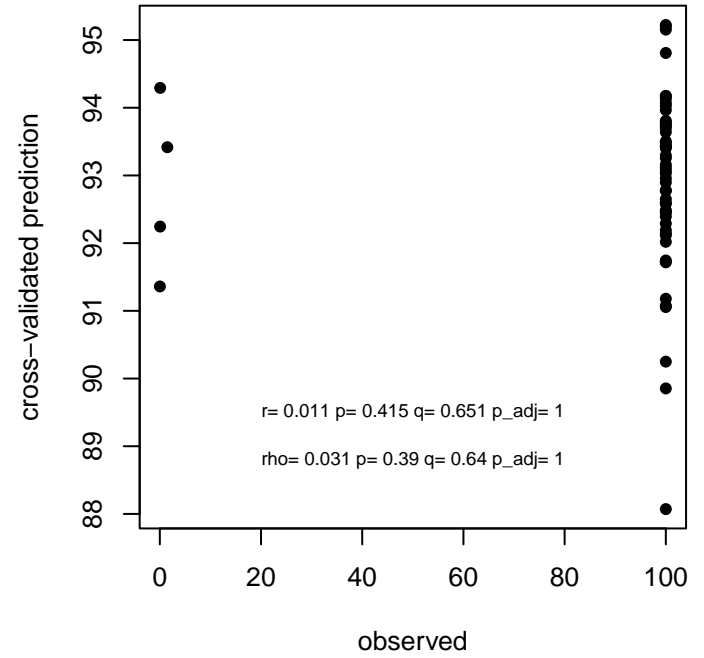
HepG2_48hr_totalcells



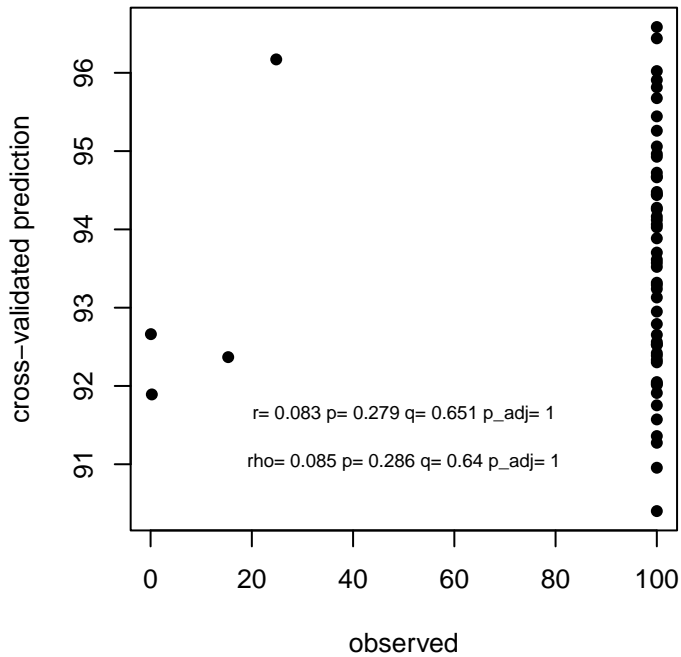
HepG2_48hr_allcellsmeanarea



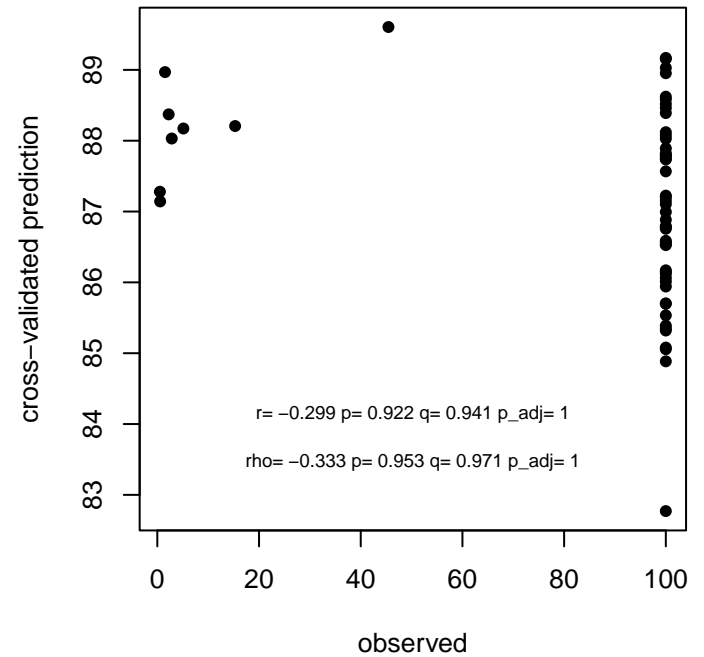
HepG2_48hr_cytoplasmicintegrity



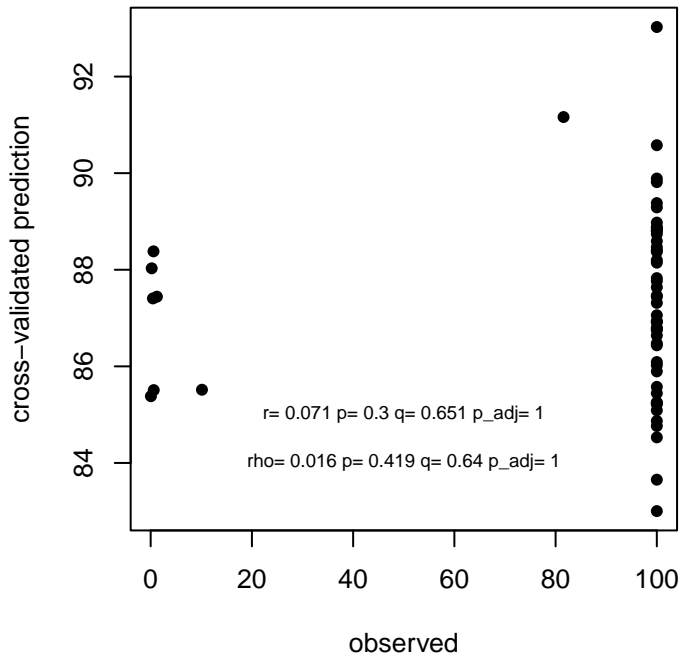
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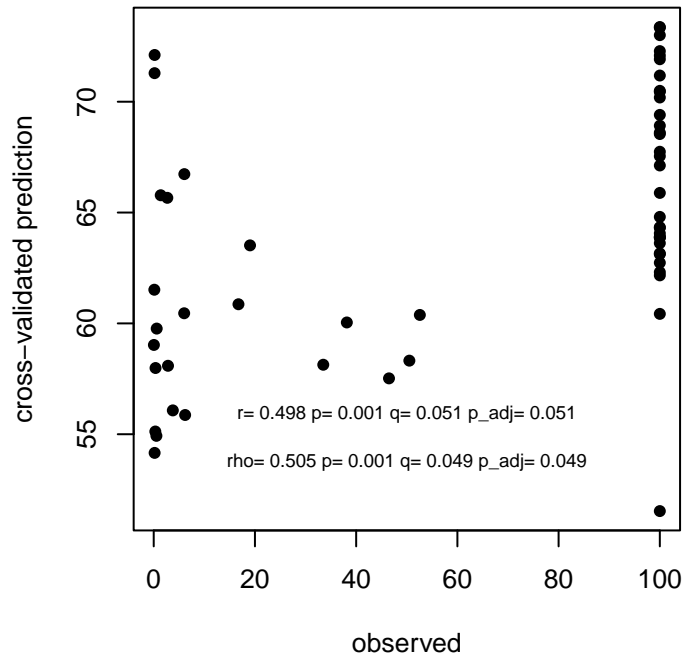
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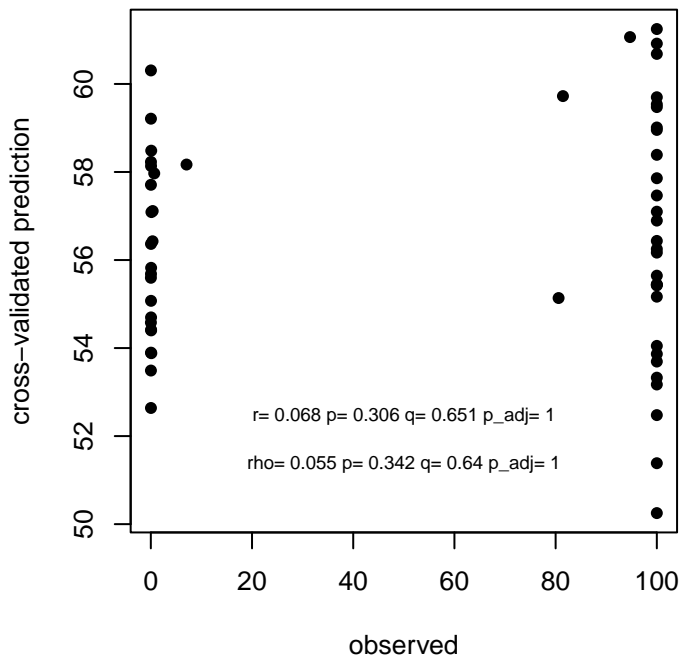
HepG2_48hr_nucleiintensity



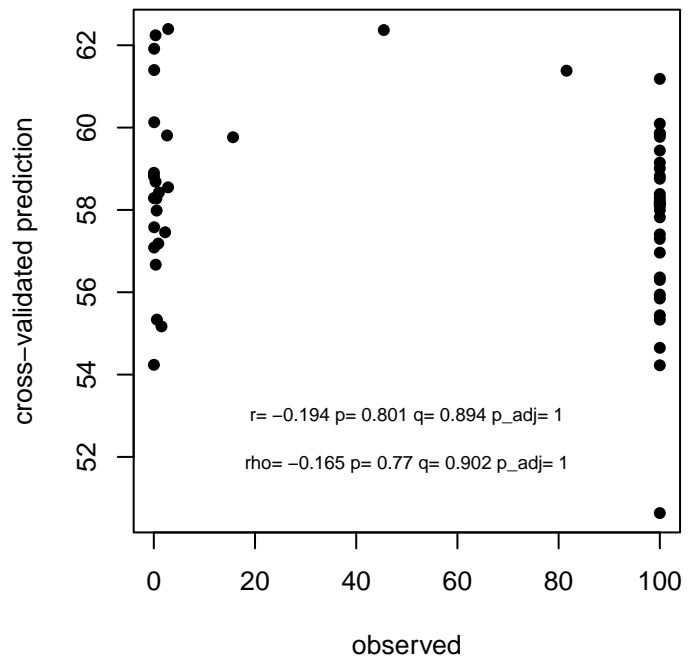
CARDIO



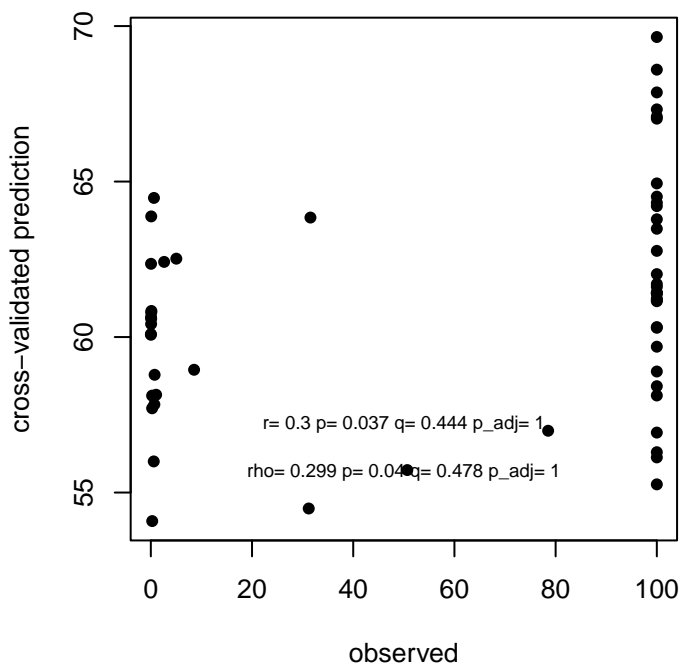
HEPATOCYTES



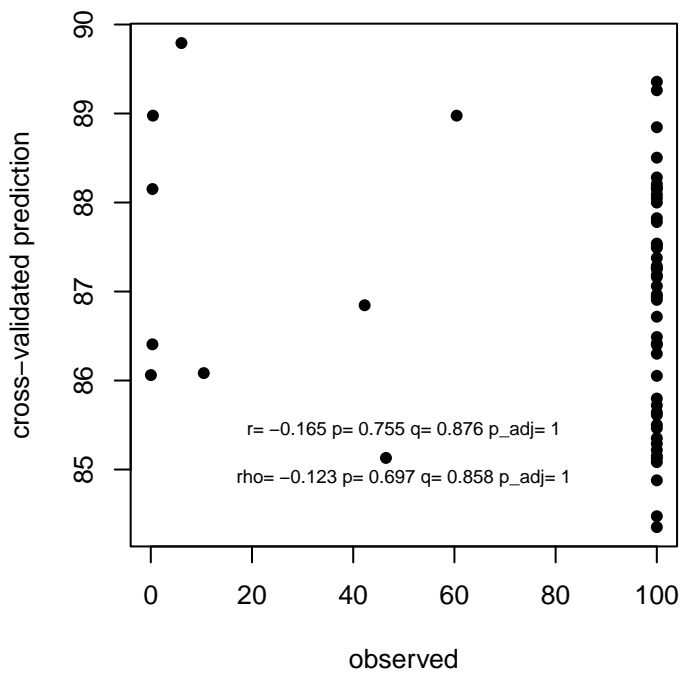
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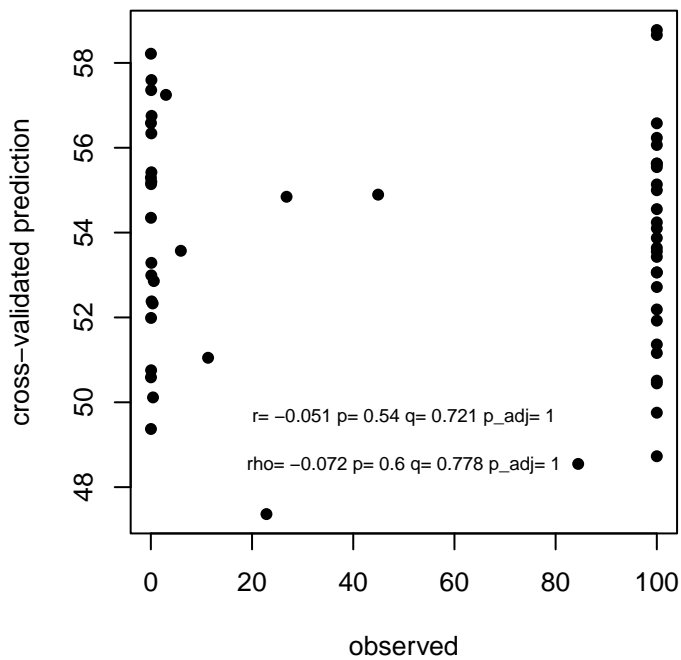
HUVEC



NEURONS



PHHs



minPOD

