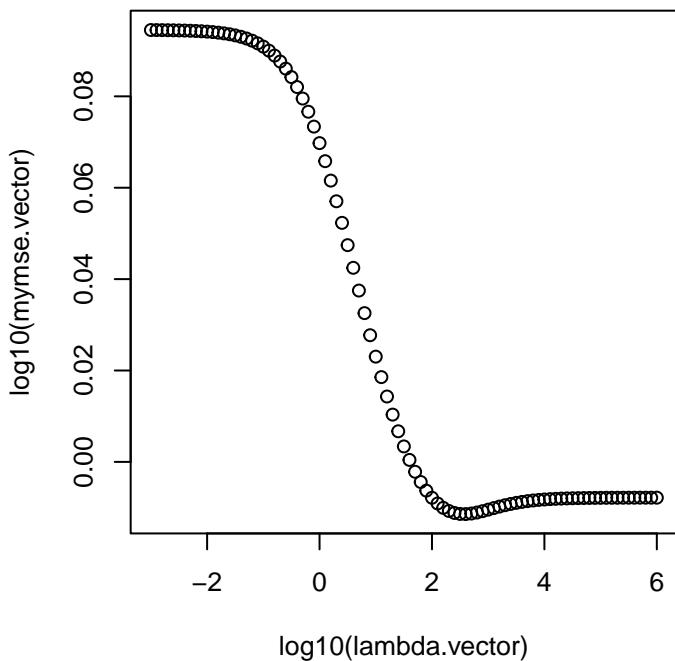
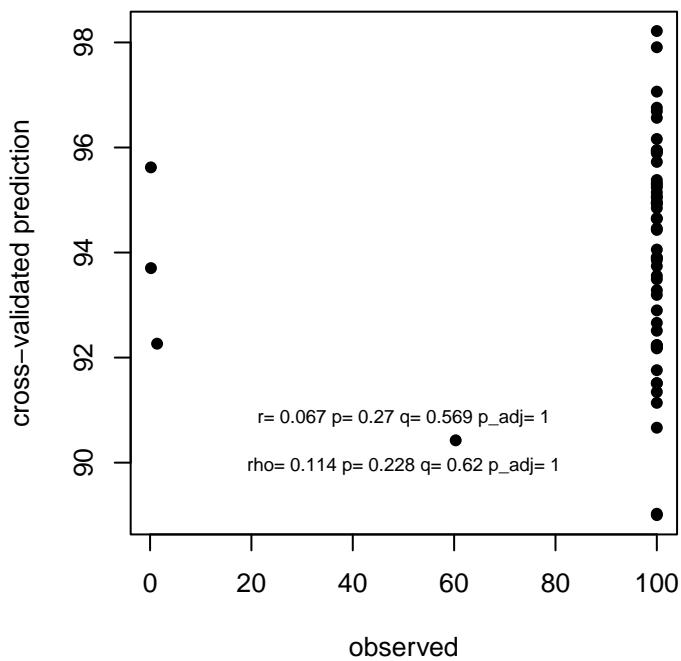
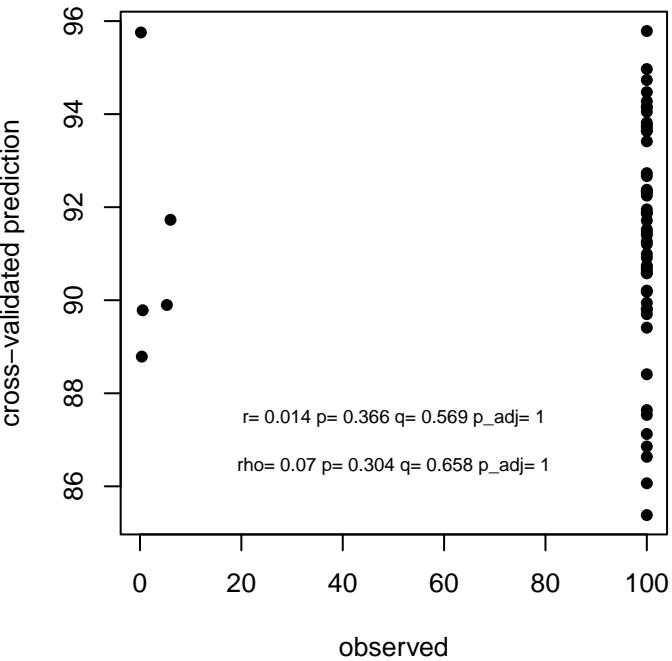
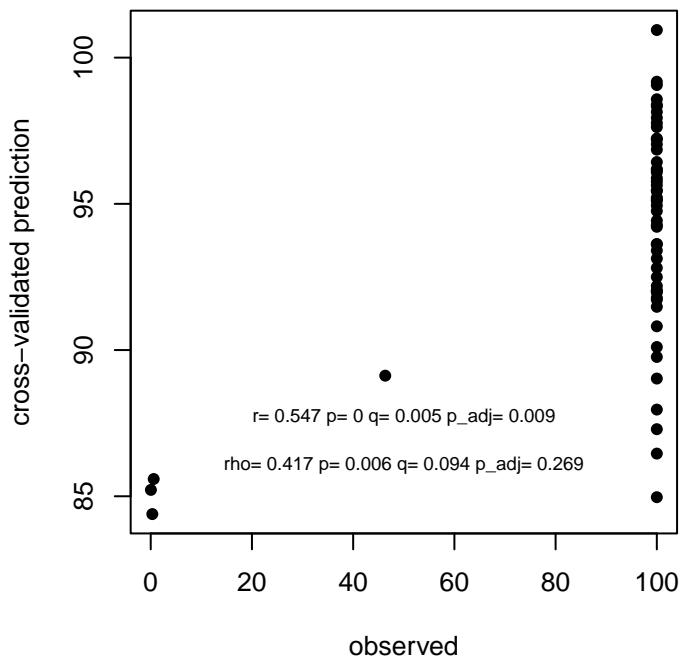
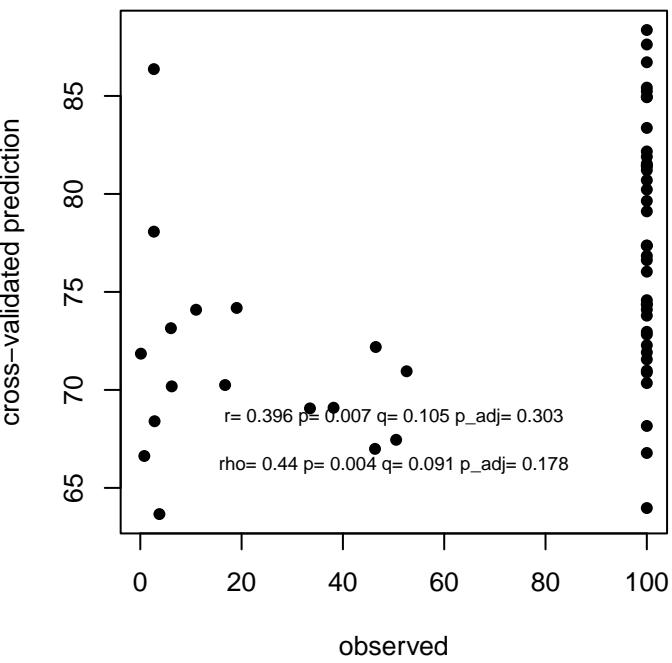


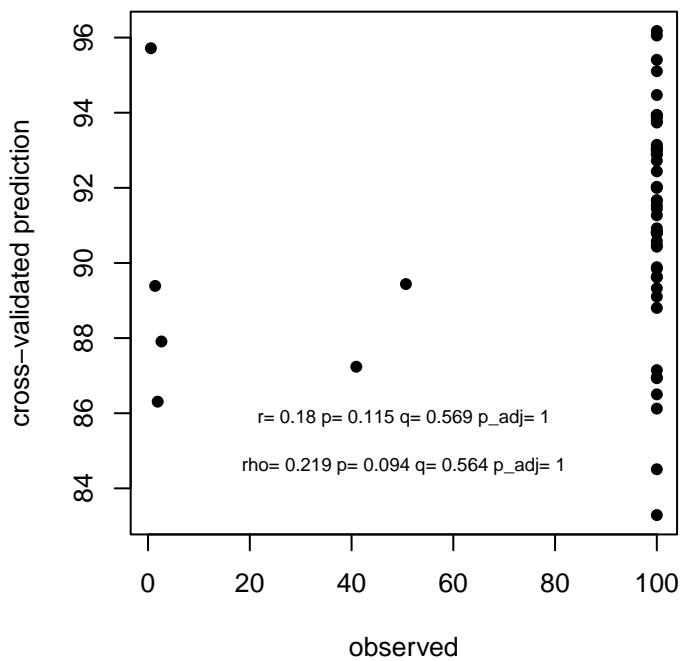
Figure S9: Correlation plots for the predicted bioactivity using the OPERA descriptors. Each plot represents a cell-specific phenotype and reports the observed in relation to the cross-validation predictions and the corresponding correlation coefficients.

log10(lambdamin)=2.6

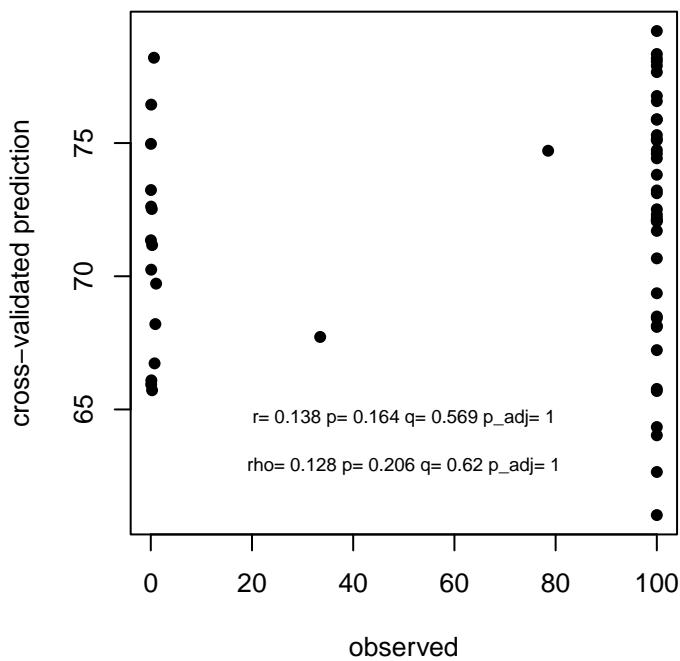


CARDIO_90min_qtprolongation**CARDIO_90min_totalcells****CARDIO_90min_positivechronotrope****CARDIO_90min_negativechronotrope**

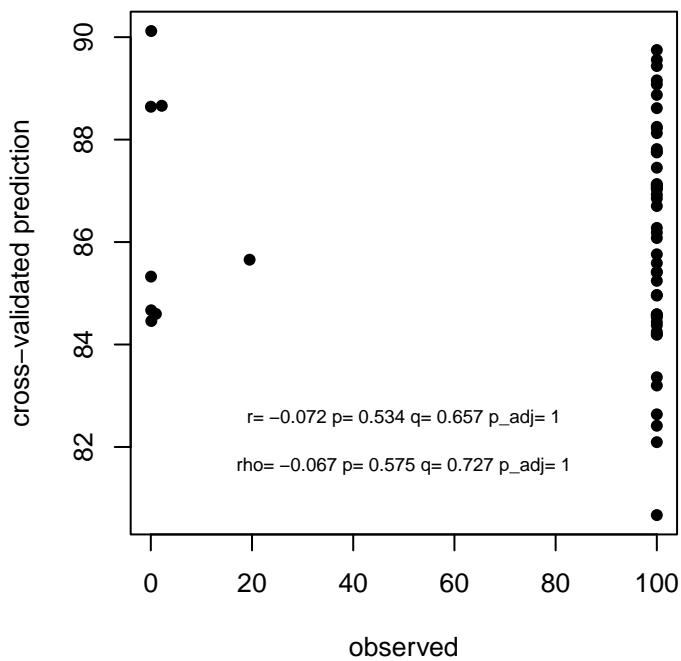
HUVEC_48hr_meantubelength



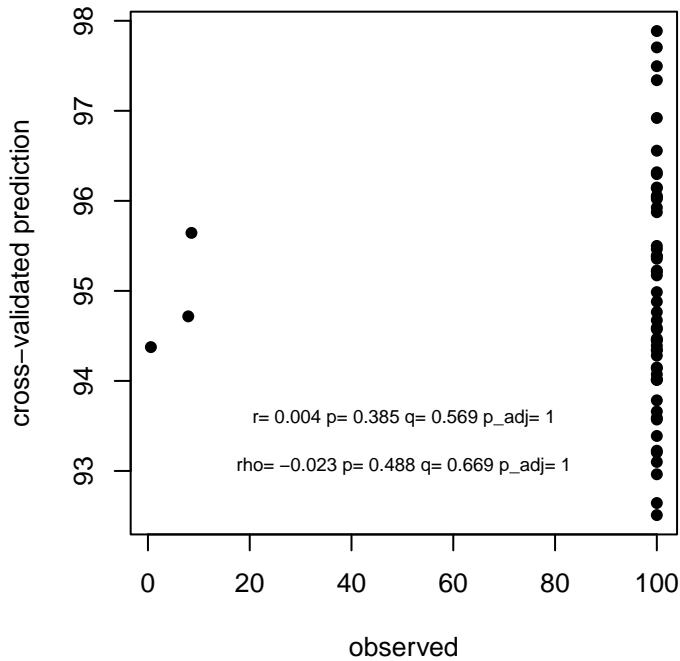
HUVEC_48hr_totaltubelength



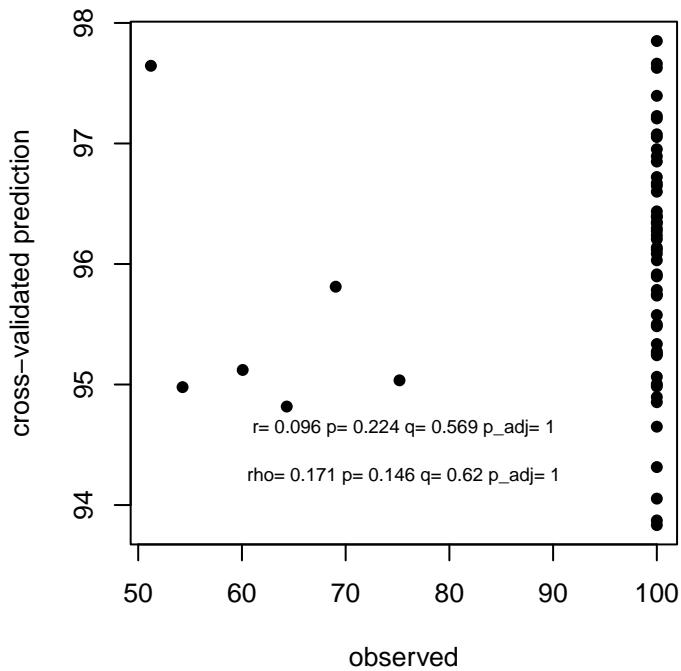
HUVEC_48hr_totaltubearea



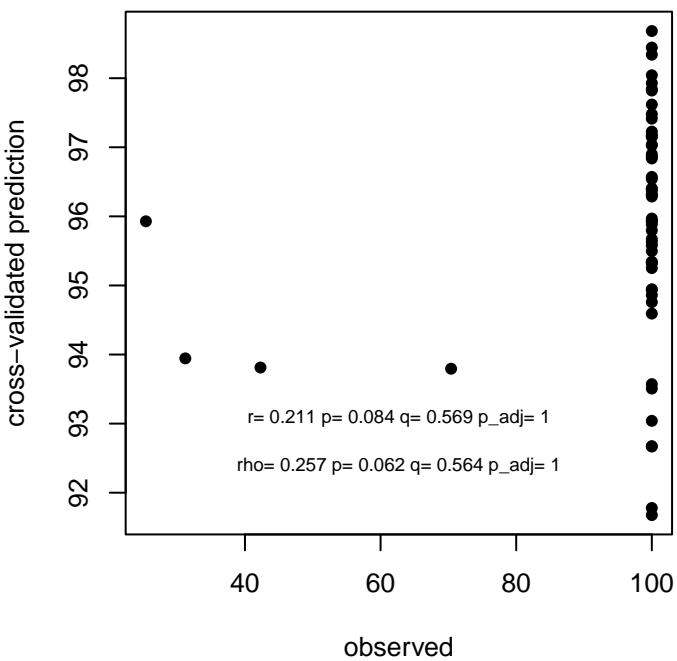
HUVEC_48hr_atpproduction



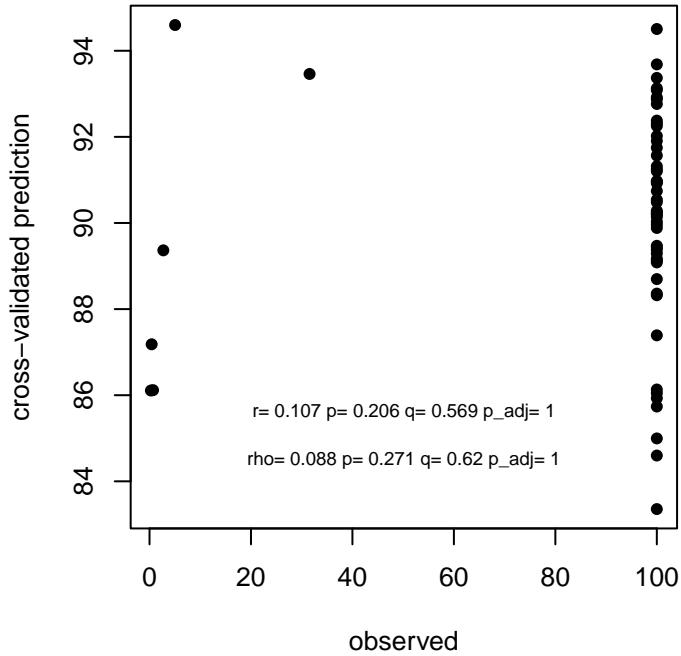
HUVEC_48hr_totalcells



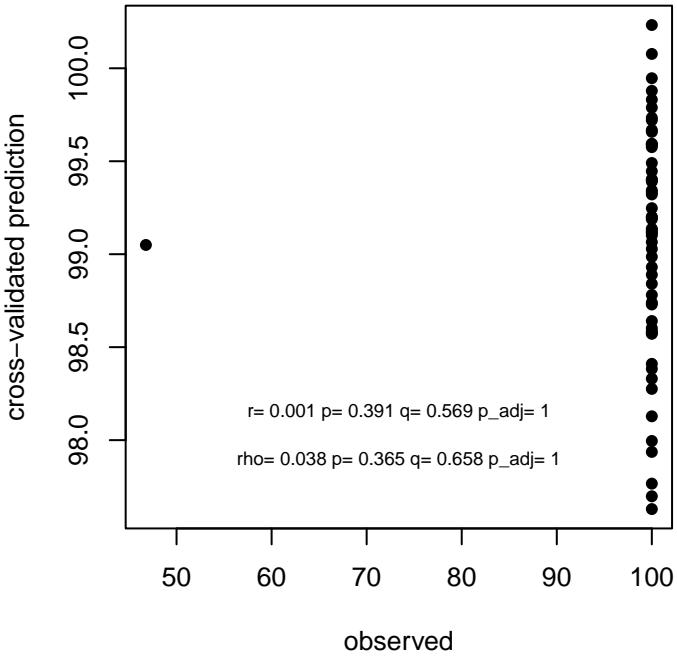
HUVEC_48hr_cytoplasmicintegrity

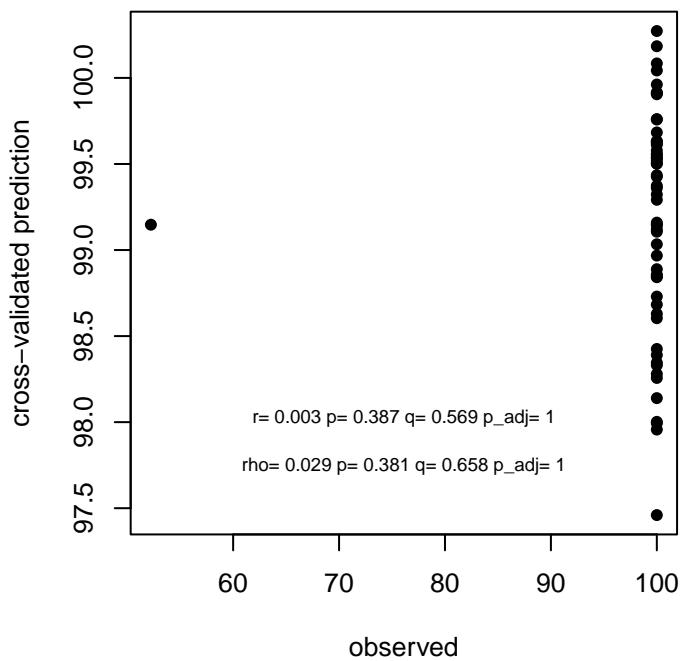
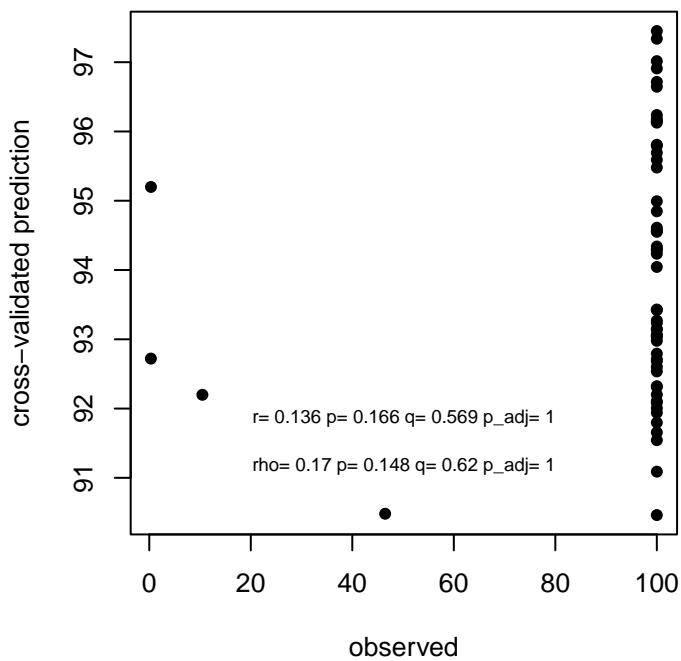
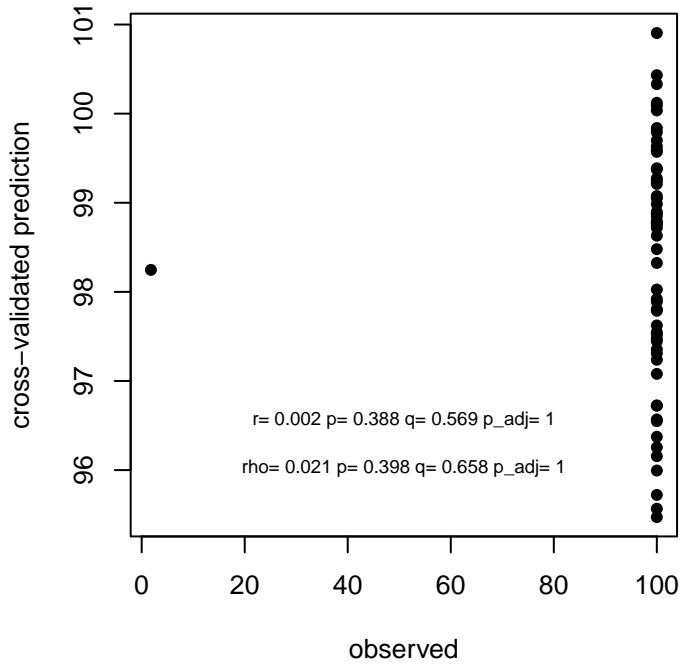
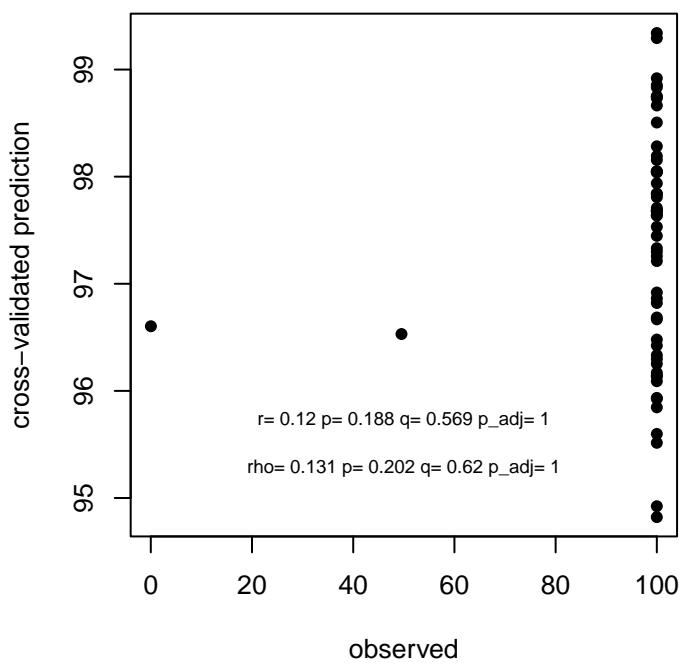


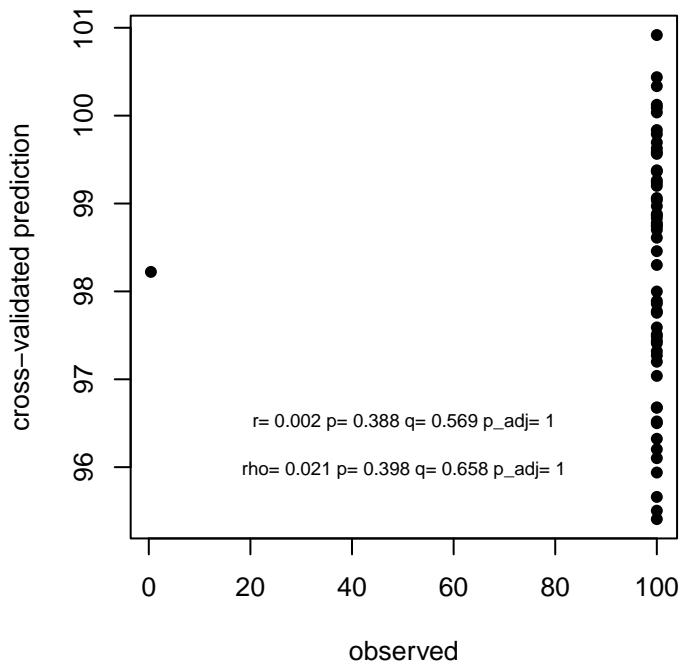
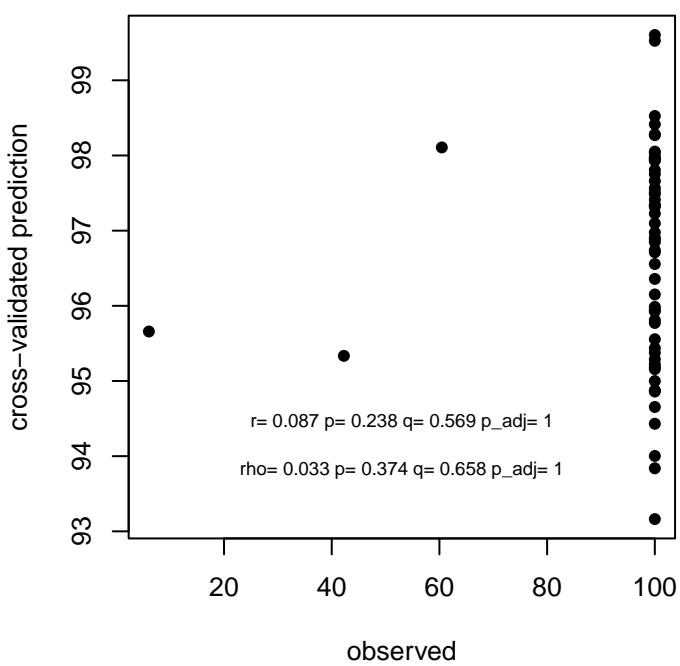
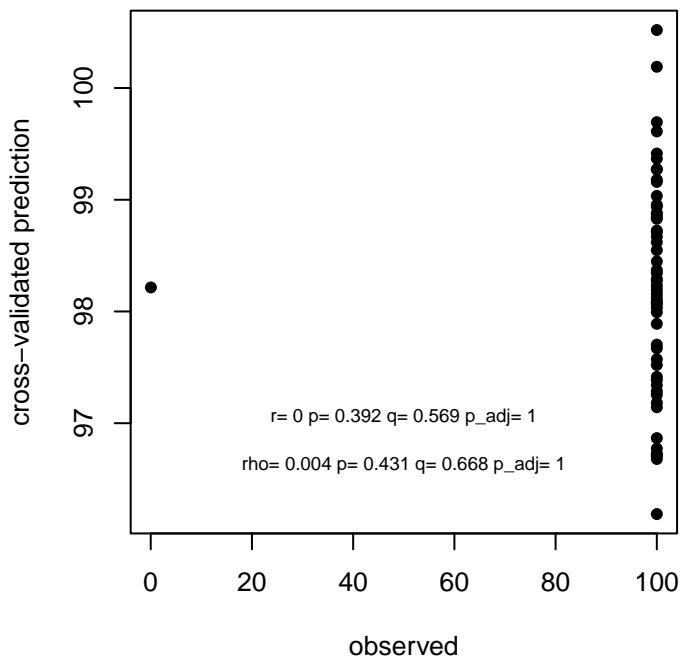
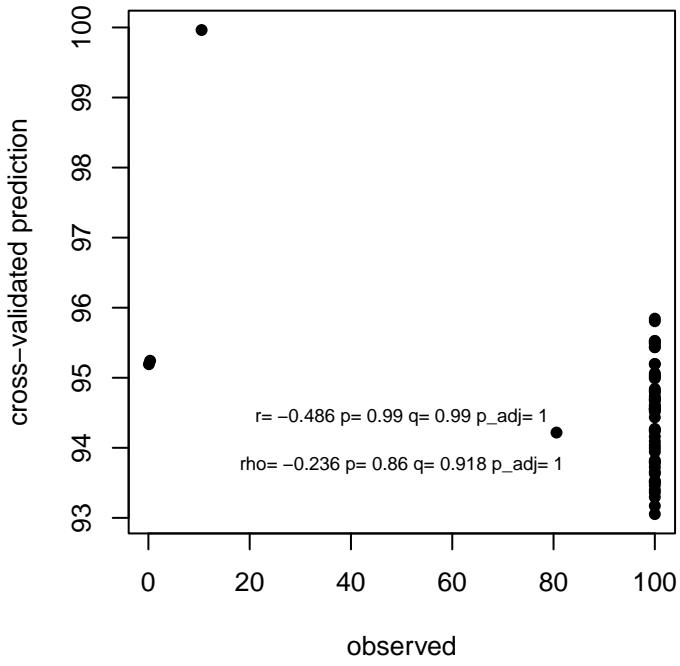
HUVEC_48hr_mitochondrialintegrity



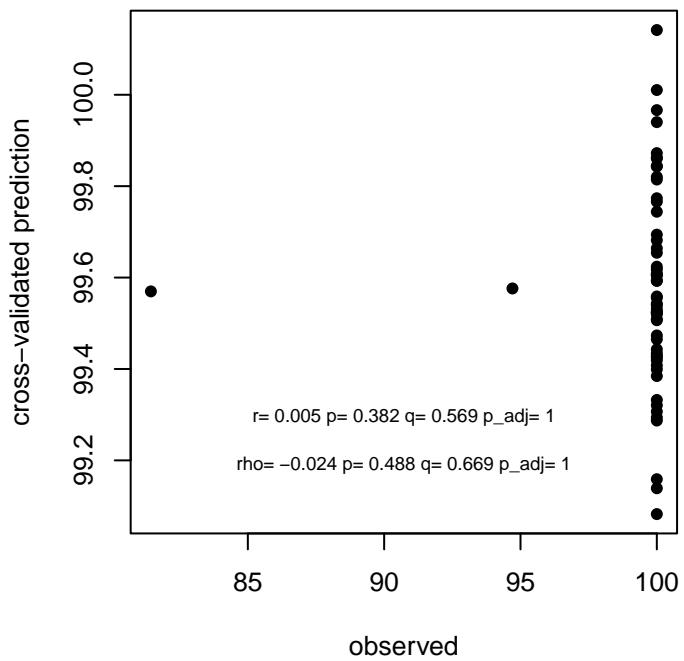
HUVEC_48hr_allnucleimeanarea



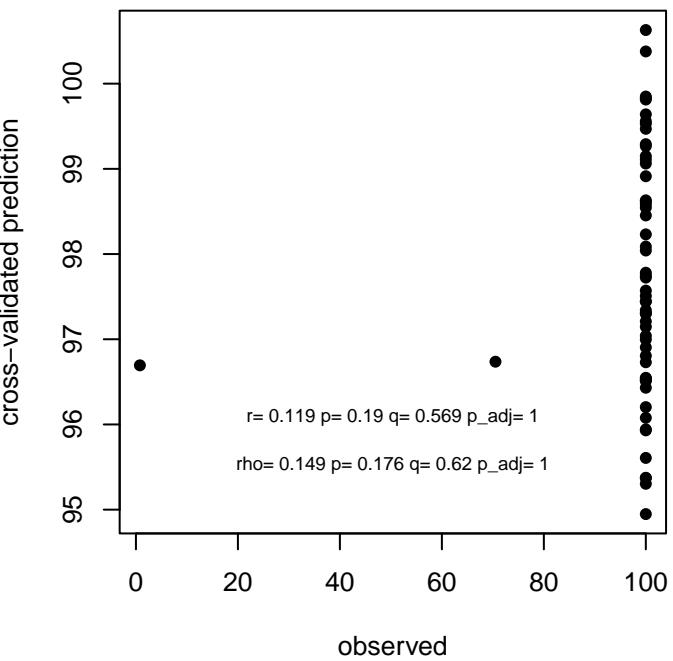
NEURONS_72hr_totalcells**NEURONS_72hr_cytoplasmicintegrity****NEURONS_72hr_totaloutgrowth****NEURONS_72hr_totalprocess**

NEURONS_72hr_totalbranches**NEURONS_72hr_cellsiwithsignificantgrowth****HEPATOCYTES_48hr_totalgranulearea****HEPATOCYTES_48hr_granularity**

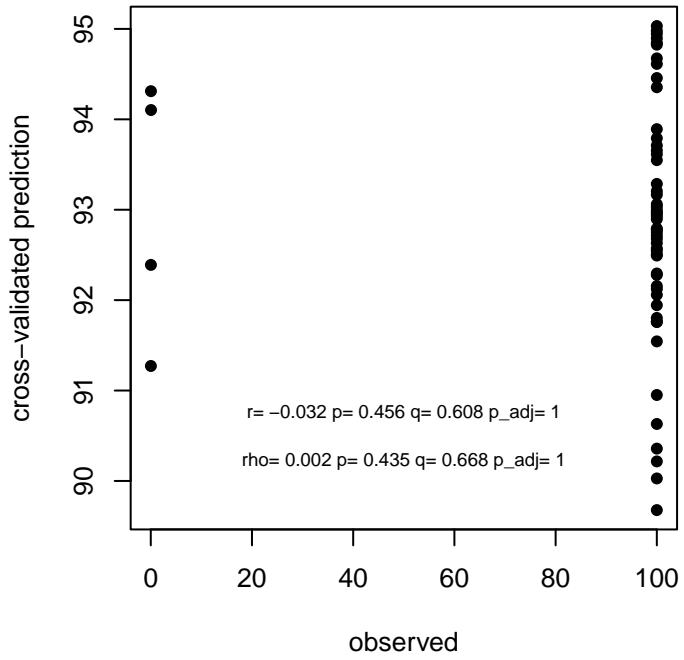
HEPATOCYTES_48hr_totalcells



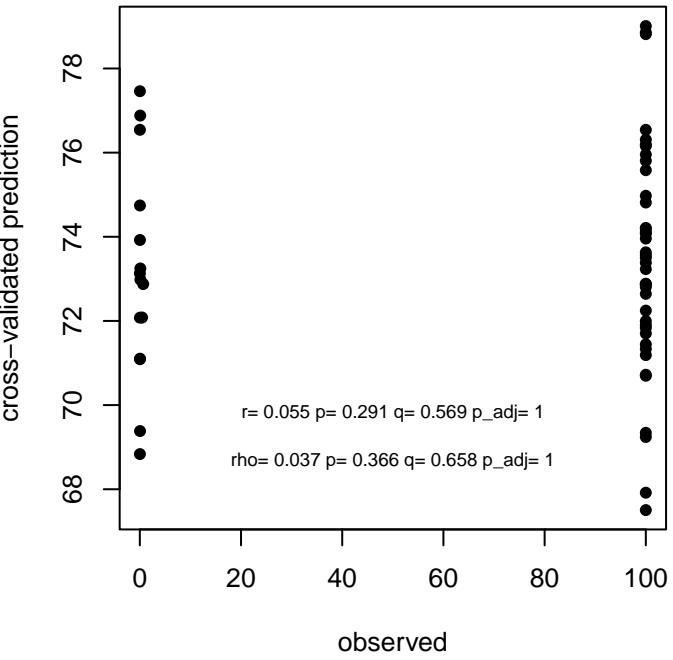
HEPATOCYTES_48hr_allcellsmeanarea

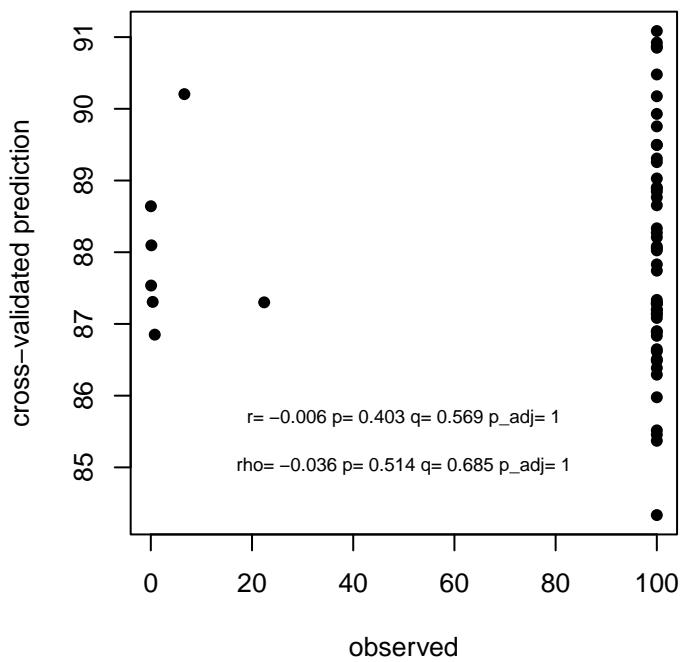
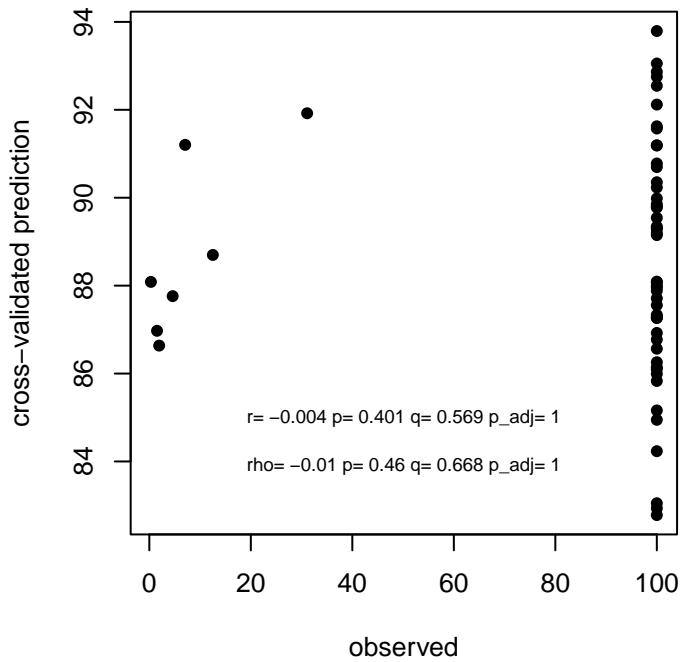
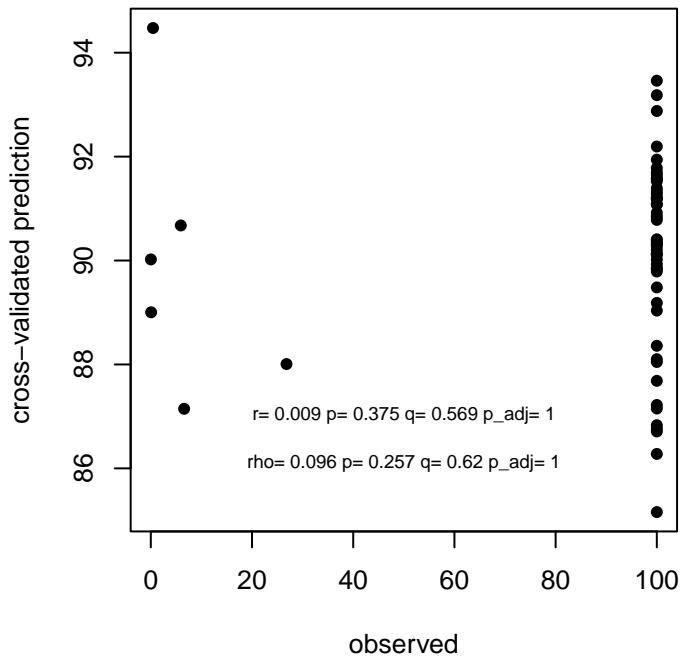
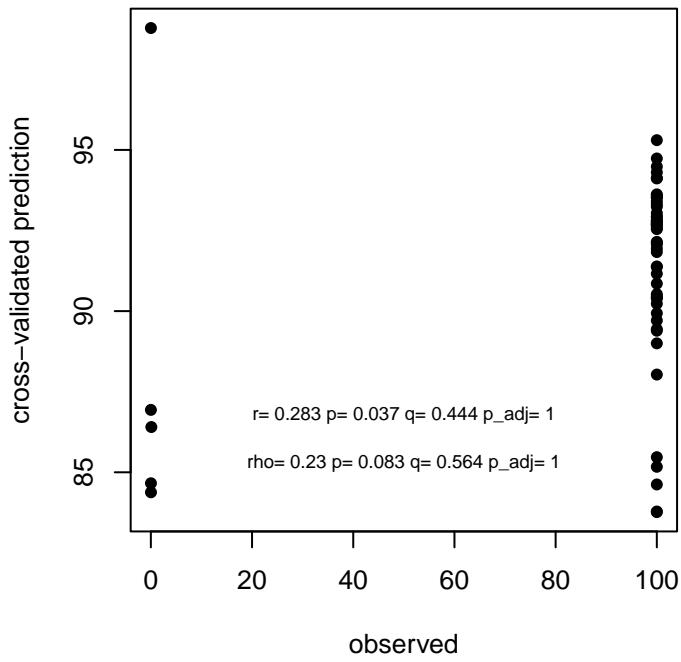


HEPATOCYTES_48hr_cytoplasmicintegrity

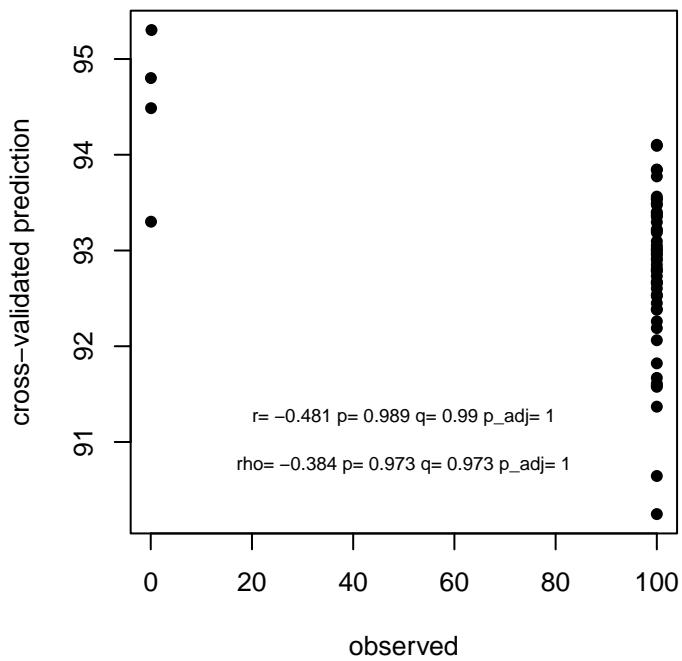


HEPATOCYTES_48hr_mitochondrialintegrity

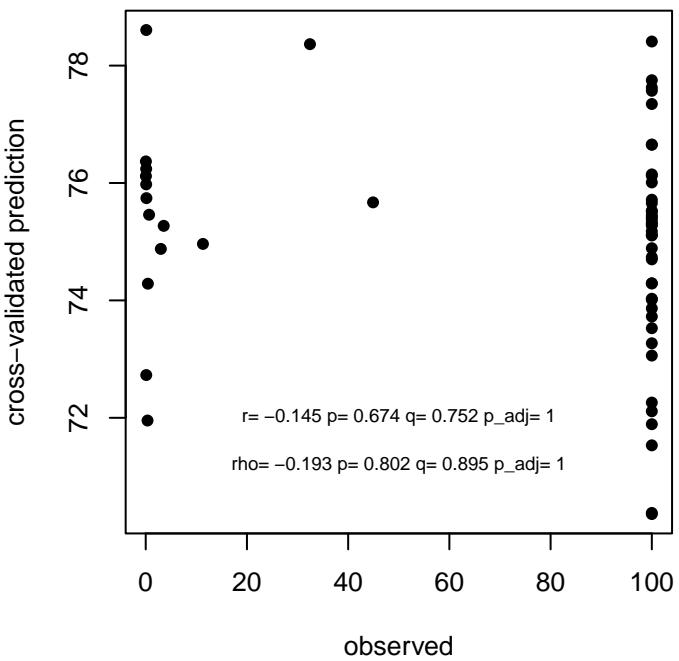


HEPATOCYTES_48hr_mitochondrialintensity**HEPATOCYTES_48hr_nucleiintensity****PHHs_48hr_totalgranulearea****PHHs_48hr_granularity**

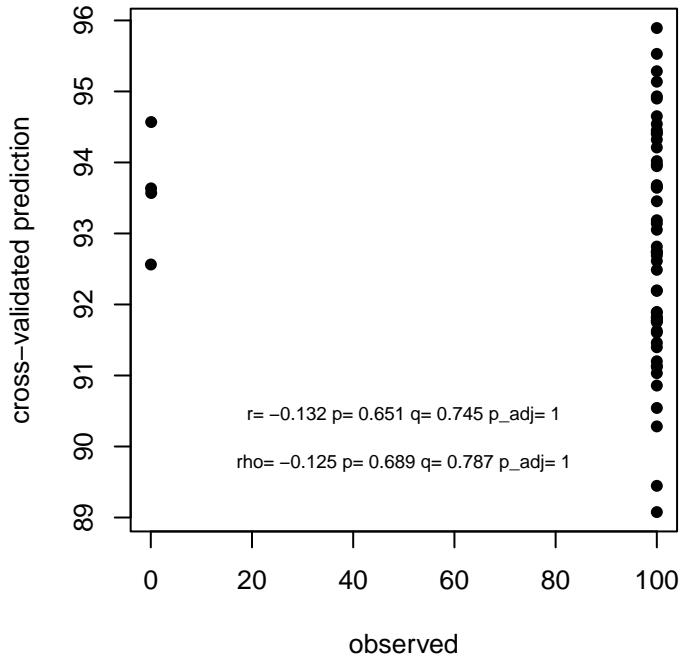
PHHs_48hr_totalcells



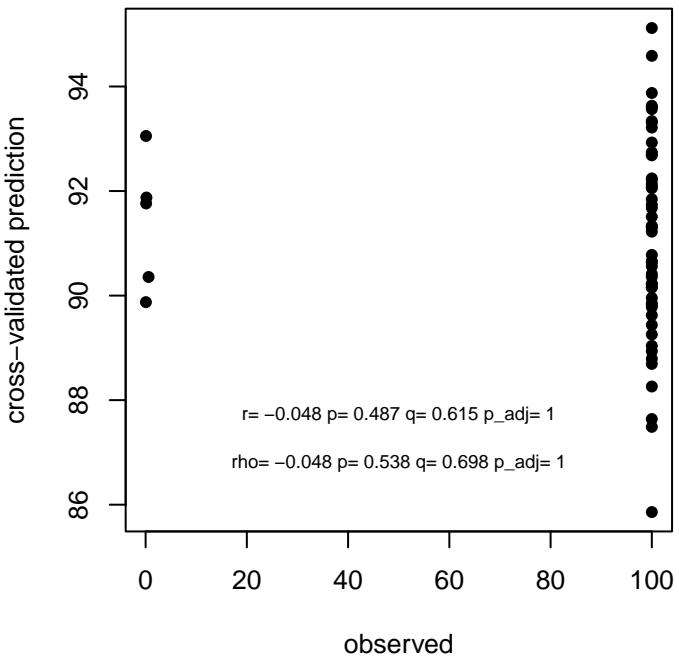
PHHs_48hr_allcellsmeanarea



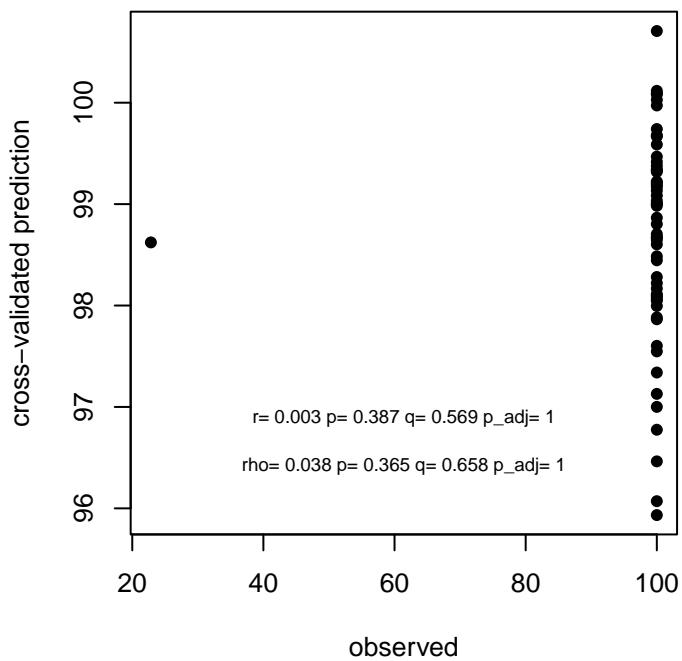
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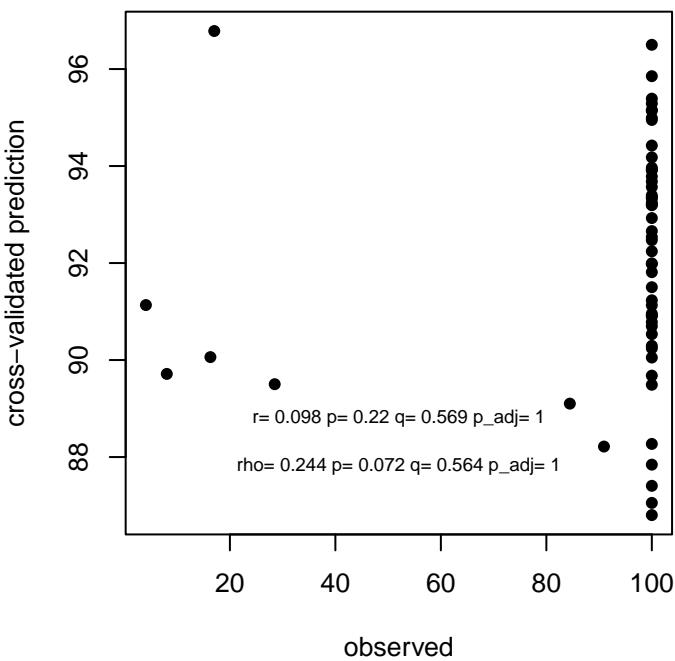
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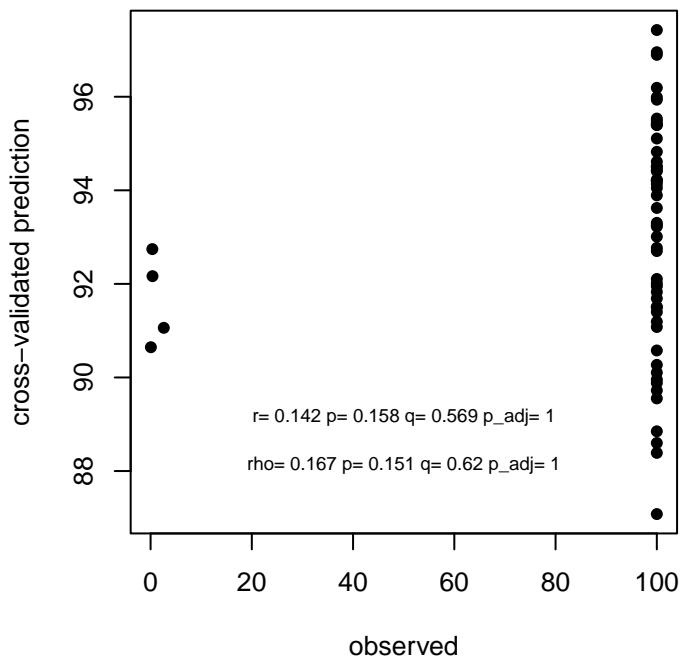
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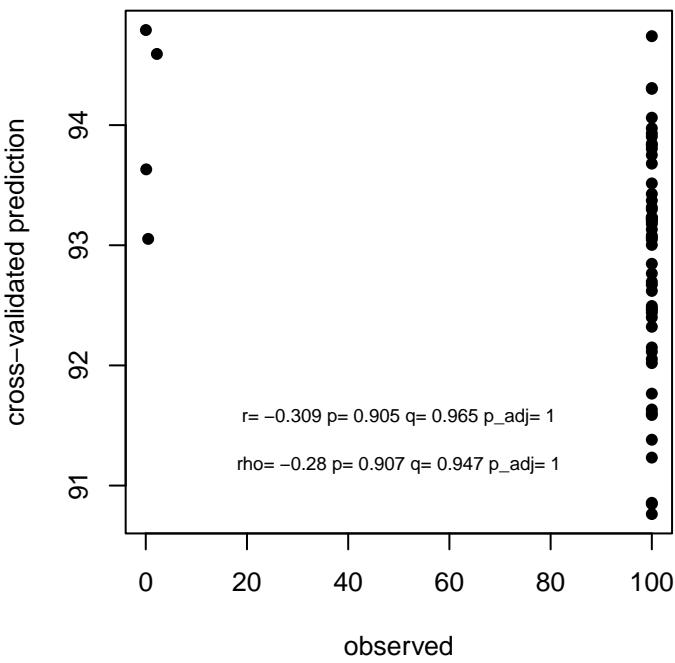
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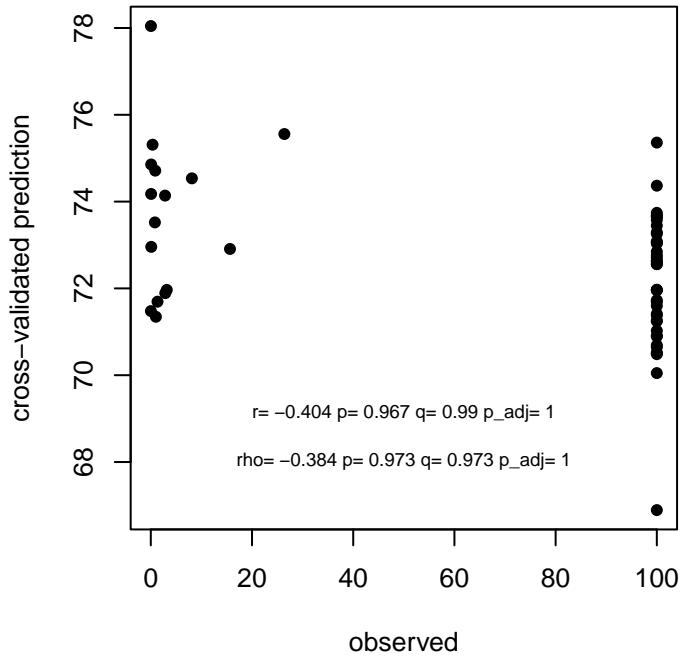
HepG2_48hr_granularity



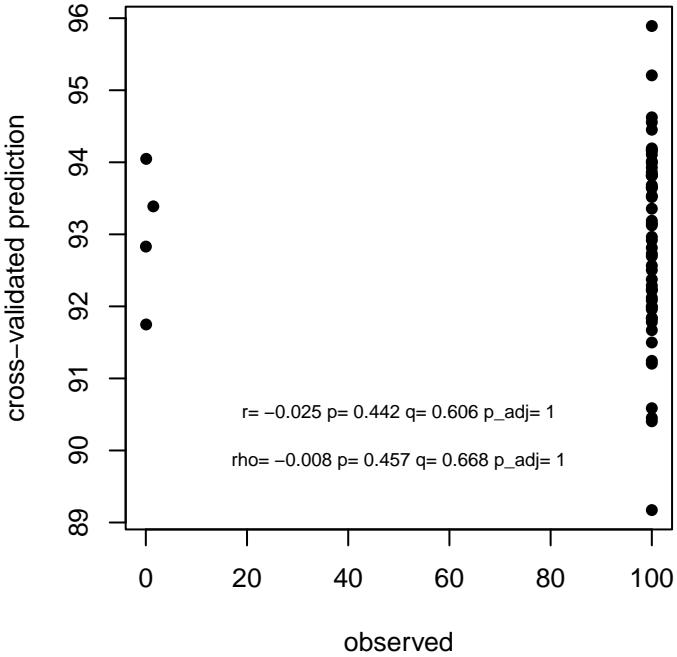
HepG2_48hr_totalcells



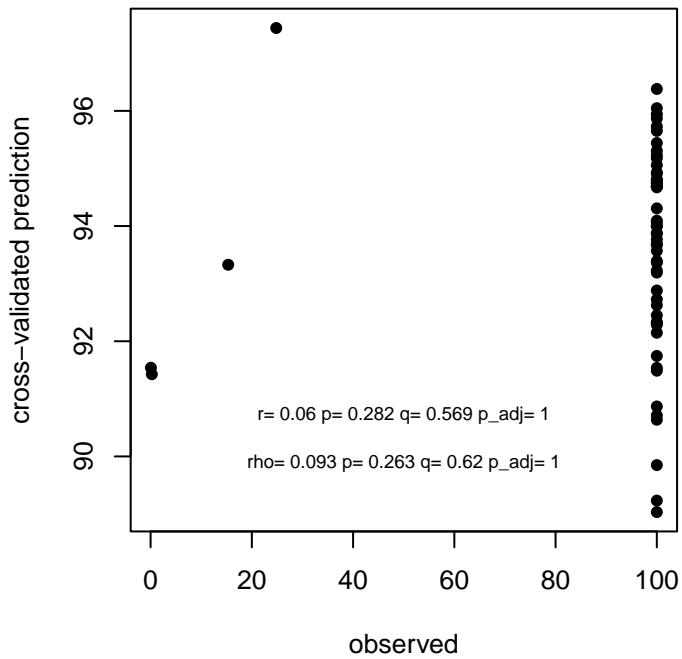
HepG2_48hr_allcellsmeanarea



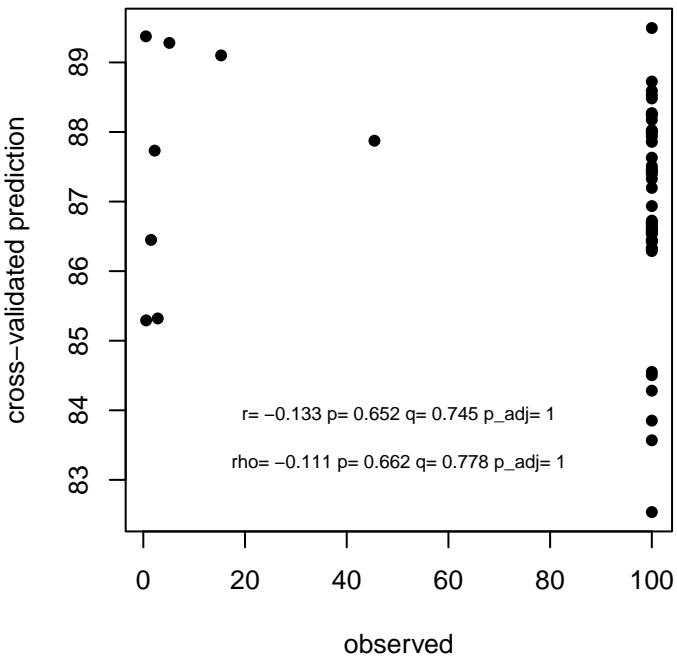
HepG2_48hr_cytoplasmicintegrity

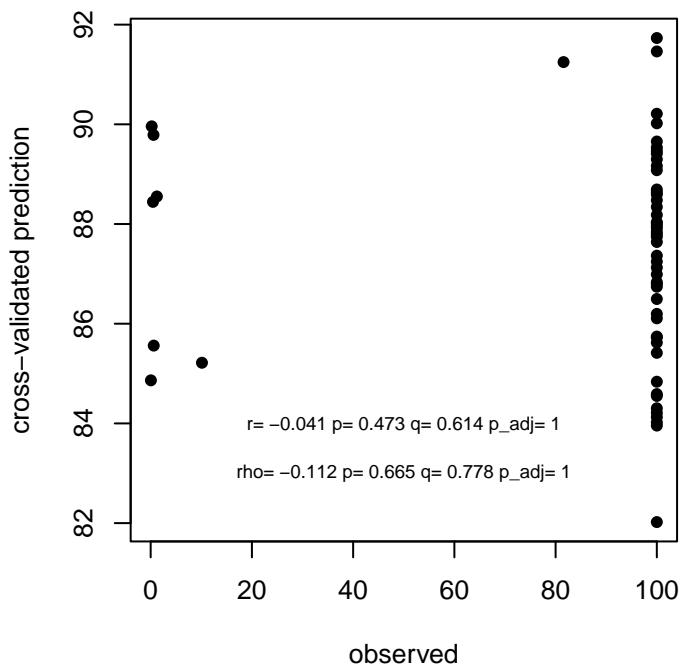
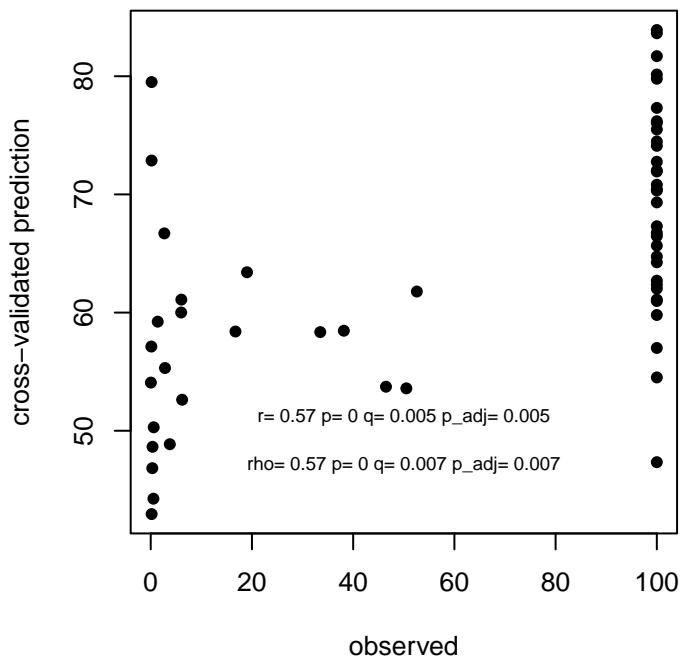
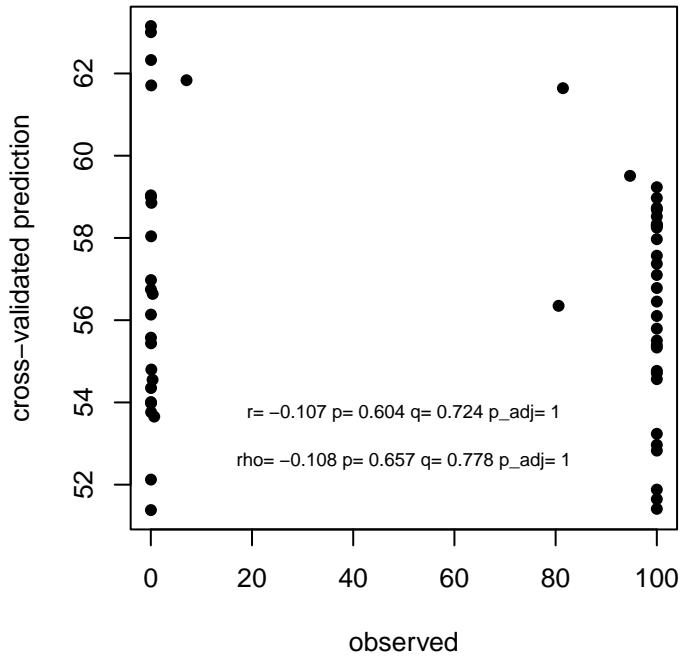
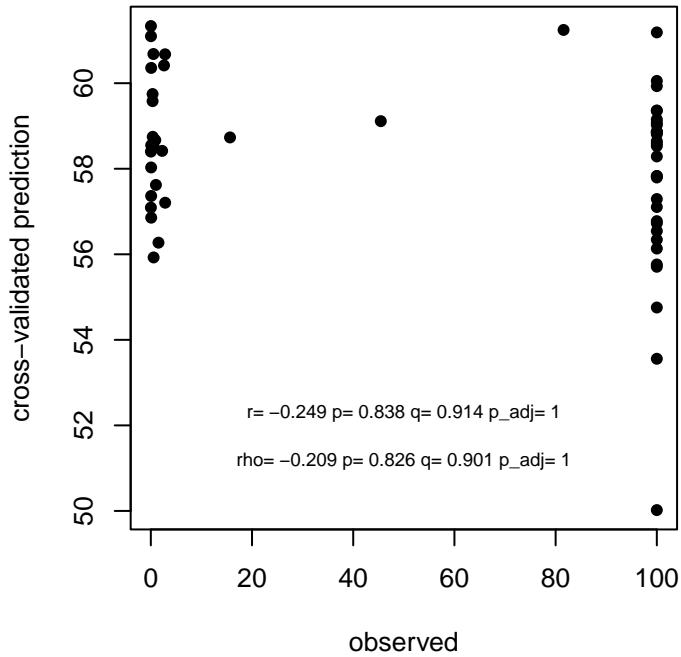


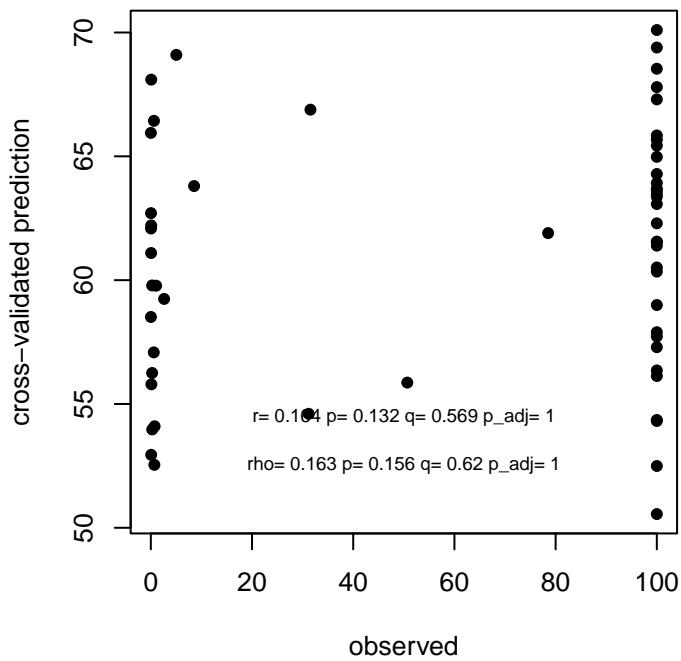
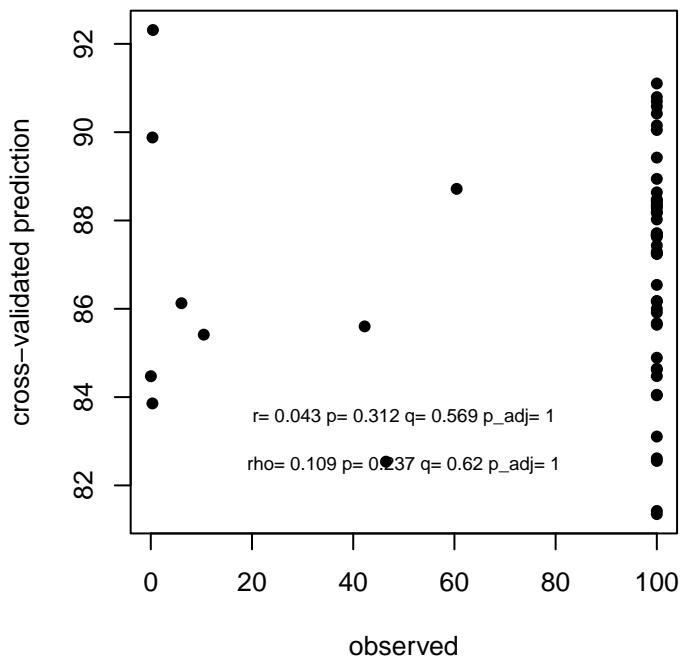
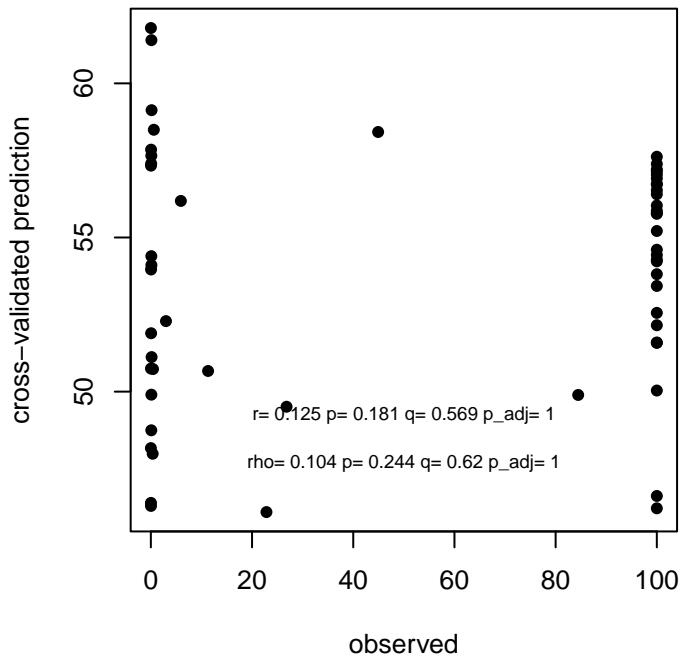
HepG2_48hr_mitochondrialintegrity



HepG2_48hr_mitochondrialintensity



HepG2_48hr_nucleiintensity**CARDIO****HEPATOCYTES****HepG2**

HUVEC**NEURONS****PHHs****minPOD**