

Radiogenomics Analysis Report

23/09/2021 14:45:04

-----Model inputs-----

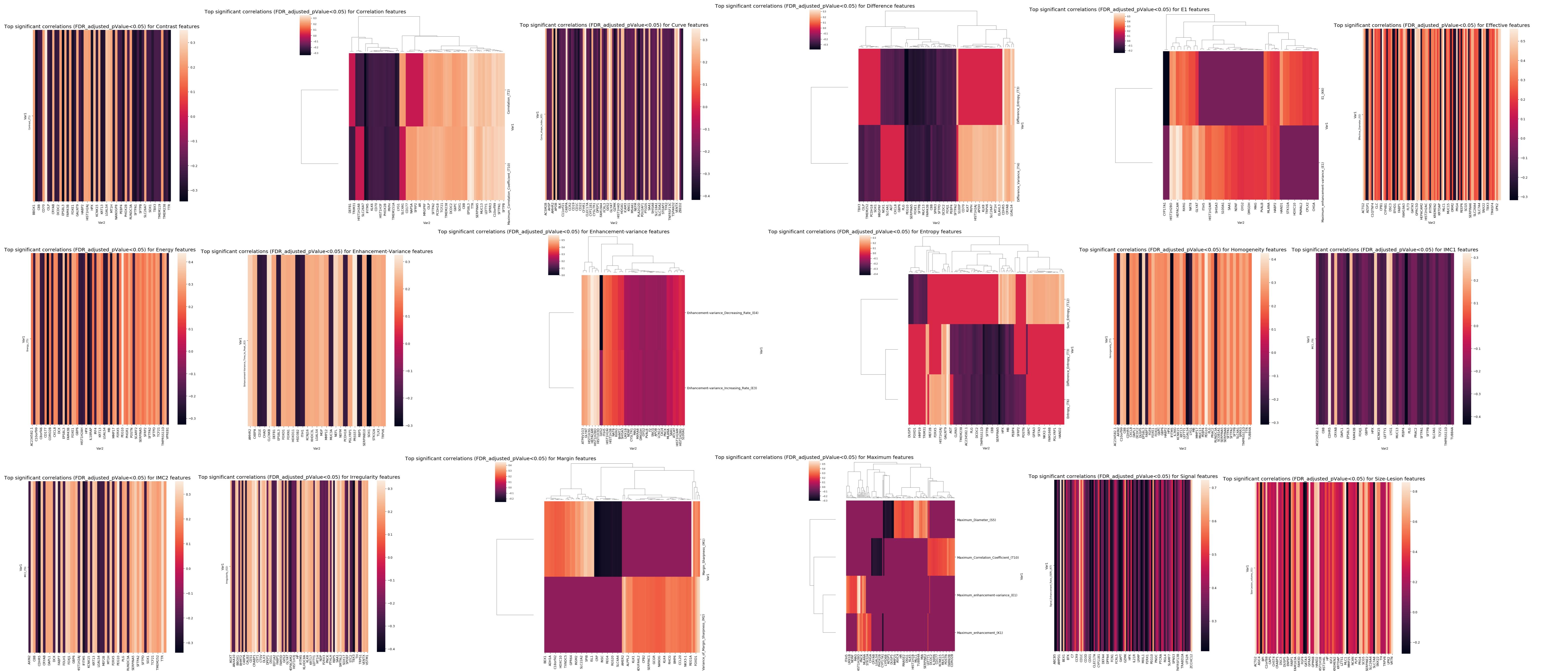
Mode:Train
Model:multiTaskLASSO

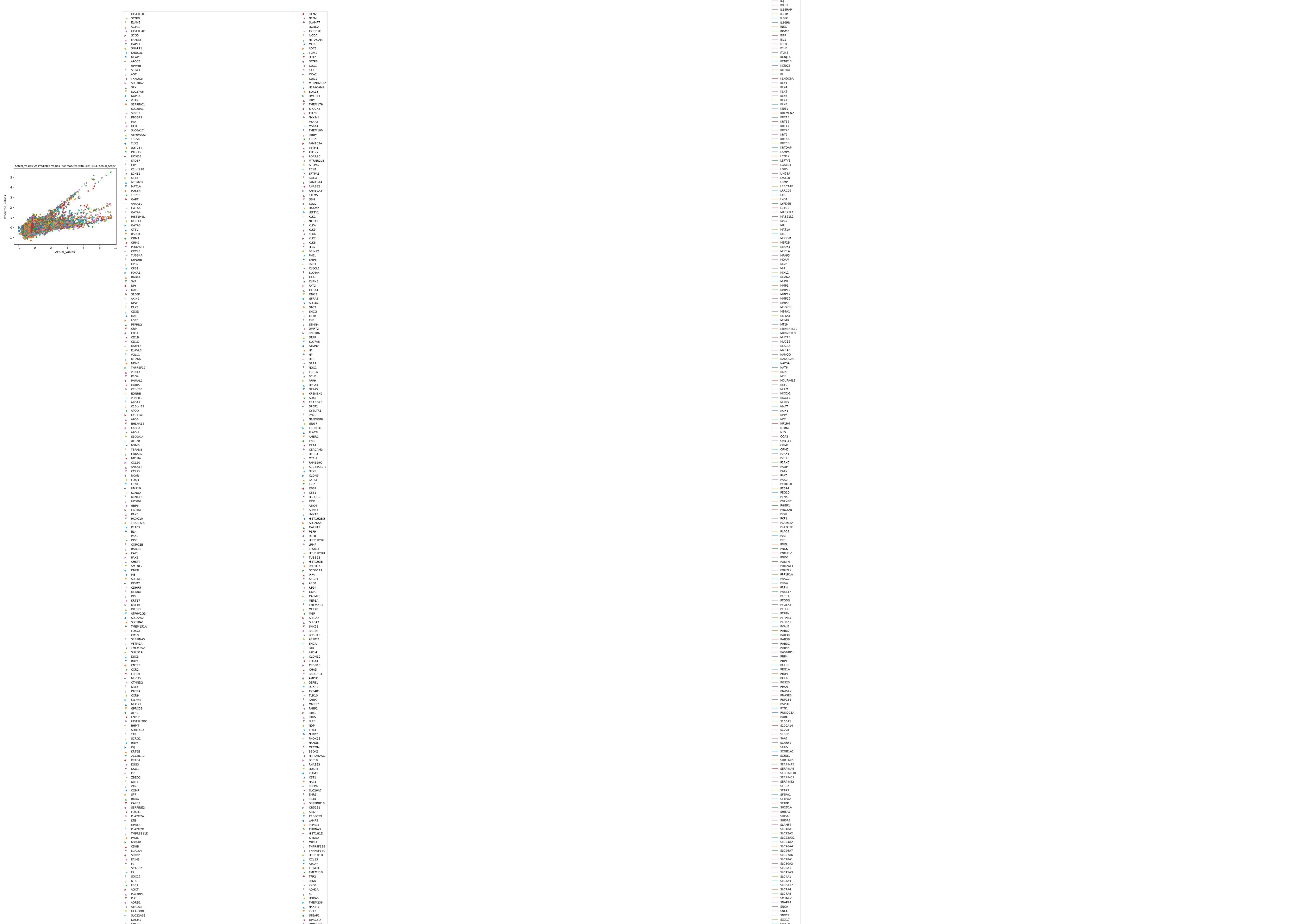
Parameters:
No. of imaging features provided: 36

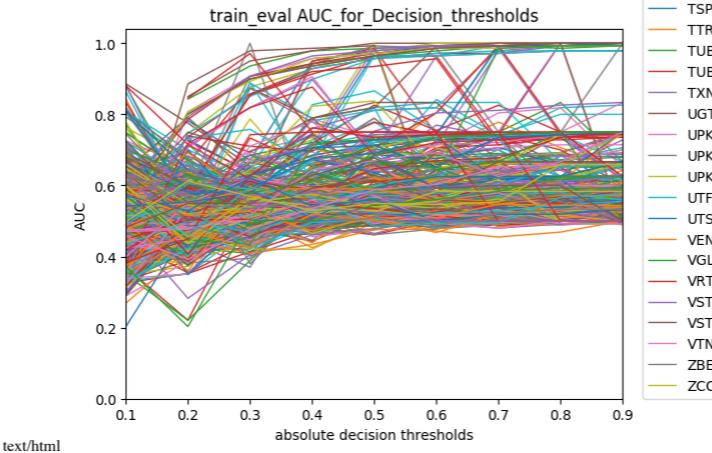
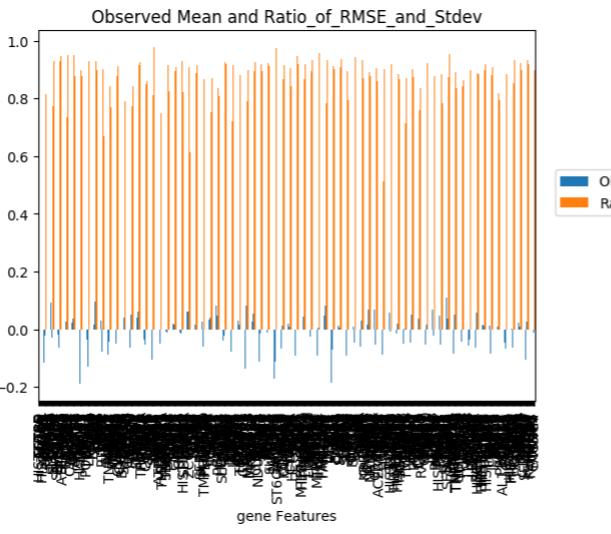
No. of gene features provided: 976
SampleID check results: 'The SampleIDs match for imaging and gene features'

No. of samples: 89

performing StandScaler normalization for imaging features
performing StandScaler for gene features







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-----Model evaluation for Test data-----

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Min Square Error for the Model

MSE of test_eval set: 1.27548202487

No. of features showing LOW 'RMSE/Stdev' (<=1.0): 109

All such features with their Low 'RMSE/Stdev' values could be found in output file: test_eval_multTaskLASSO_Labels_with_Low_Ratios.csv

No. of features showing HIGH 'RMSE/Stdev' (>1.0): 456

All such features with their High 'RMSE/Stdev' values could be found in output file: test_eval_multTaskLASSO_Labels_with_High_Ratios.csv

Model evaluation for Test data for label features showing Low 'RMSE/Stdev' (<=1.0)

ABCBS5, ACTG2, ADRA2C, ADRA2A, AGXT, AHSP, ALB, ALM2, AL138751.1, ALPL, AMPD2, AMPD1, ANXA10, ANXA12, ANXA8, APOA2, APOC3, APOD, AR, ARG1, APPBP1, ASCL2, ASXL1, ATCAY, AXIN2, BBRXO1, BEX1, BH4HA15, BHM72, BLK, BMB, BNC1, BPI, BSGN2, BSN, BTK, C10orf99, C11orf21, C16orf99, C1QTR4, C10orf120, C2orf61, C2orf88, C4orf14, C5orf16, CA14, CAV, CALB2, CALML5, CAPS, CCL3, CCL20, CCL25, CCR1, CCR2, CCR9, CD197, CD19, CD18, CD16, CD22, CD3D, CD70, CD79B, CD88, CDHR5, CDH1, CDX1, CEACAM3, CENPF, CFTTR, CHAD, CHMP3, CHST4, GIP, CL, CLCNKB, CLDN10, CLDN6, CLEC1, CLRN3, CTFR, COMP, CORO2B, CP44, CPNE5, CRABP1, CRABP2, CRP, CRYAB, CRYAB2, CTSE, CTSV, CXCL3, CXCR2, CYP11A1, CYP17A1, DDX1, DDX11, DDX12, DDX11, DBP, DDX1, DERF1, DERL3, DES, DDX1, DLX3, DLX5, DDX4, DMR12, DMR12, DNER, DPPI, DPPI4, DPPA5, DSC3, DSG3, DSG3.

—	DUSP5
—	EF1A2
—	EFHD1
—	ELANE
—	EMRSP
—	ENPEP
—	EPHK3
—	ESR3
—	ESR1
—	EYA1
—	F7
—	FABP1
—	FAPBP
—	FAM1
—	FAM101A
—	FAM129C
—	FAM13A
—	FAM16B
—	FAM16A3
—	FAM16A4
—	FAM17D
—	FAM43B
—	FAM52
—	FCN1
—	FCRL2
—	FCRL3
—	FOXO1
—	FOXJ1
—	FOXJ1A
—	FOXJ1B
—	FOXJ1C
—	G0S2
—	GCRN
—	GALNT9
—	GAPDHS
—	GATA3
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