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LOGISTIC REGRESSION VARIABLES PAH
  /METHOD=FSTEP(LR) NRCAM MAP2 RUNX1T1 ENO2 CRISP1 NR4A3 RLN2 LDHA GSTM3 LAMC2 COL6A1 SLC11A2 N
FXR1 TMED10 HLA.G APP NRIP1 ESR2 SEC23A PPP1CC MYCN TMED2 ATF2 TMF1 CA6 GOLGA4 HSP90AB1 CASP8 A
COL17A1 POLR2A IFIT2 KRT1 PTGS1 TBR1 DECR1 MC2R GLUL KCNJ8 S100A5 MT2A ARSE FKBP8 GPKOW TNFRSF9
ST6GALNAC2 FES CDA SELPLG PDE2A IFI27 SLC8A1 SCN5A ZP2 GATA1 NRG1 GIP PSG1 TLE1 GP1BA PRM2 EPHB
  /CLASSPLOT
  /CASEWISE OUTLIER(2)
  /PRINT=GOODFIT CORR SUMMARY CI(95)
  /CRITERIA=PIN(0.05) POUT(0.01) ITERATE(20) CUT(0.5).

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## Logistic Regression

### Notes

Output Created		14-AUG-2014 12:47:36
Comments		
Input	Data	F:\PAH - Banjo and SPSS\Jeddah\PAH data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	146
	Missing Value Handling	User-defined missing values are treated as missing

## Notes

Syntax	<p>             LOGISTIC REGRESSION              VARIABLES PAH              /METHOD=FSTEP(LR)              NRCAM MAP2 RUNX1T1              ENO2 CRISP1 NR4A3              RLN2 LDHA GSTM3              LAMC2 COL6A1              SLC11A2 NTRK3 PGK1              FGA STAT5B TMEM41B              PIGC PEX5 UGP2 RUNX1              PIGK MTM1 ADRA2A              NRAS BCR MAP7 MAPK6              NEDD4 TXK ETV3 KPNA4              DDX18 RAD50 DDX10              BCLAF1 FEZ1 LAMP1              GCLM JAK1 OTUD4              FXR1 TMED10 HLA.G              APP NRIP1 ESR2              SEC23A PPP1CC MYCN              TMED2 ATF2 TMF1 CA6              GOLGA4 HSP90AB1              CASP8 ATP5F1 SCN1B              CYCS CD34 ABCE1              AZGP1 RPS5 KRT18              PEA15 AES ACSM3              RQCD1 CTSE EIF4A1              HSPA5 CD40 ANKS1A              FLNC PROL1 HAAO              DNM1 HOXA1 PPP1R10              PF4V1 SDS NUMB              SERPINB6              COL17A1 POLR2A IFIT2              KRT1 PTGS1 TBR1              DECR1 MC2R GLUL              KCNJ8 S100A5 MT2A              ARSE FKBP8 GPKOW              TNFRSF9 CX3CL1              GABRA1 STARD8              SLC19A1 FABP4 GYPB              ANKRD1 AAMP SULT1C2              GUCA2B GRIN2C GMPR              SEPHS2 CCL21 PTMS              LMNB1 CLTCL1 TRPV6              SLC18A3 MYL9 TNNI3              CDX2 PLA2G5 IFNA16              ST6GALNAC2 FES CDA              SELPLG PDE2A IFI27              SLC8A1 SCN5A ZP2              GATA1 NRG1 GIP PSG1              TLE1 GP1BA PRM2              EPHB1 LGALS3 CD72              KCNJ3 SLC5A1 HTR1D              MMP9 HSD3B2 CYP1B1              IFIT3 IQGAP2 ACOX2              BATF KLRD1 CDX1              SFTPC C6orf10 LPL              CLEC3B SECTM1 XCL1              IL13RA2 TMOD1 IGFBP2              NOTCH3              /CLASSPLOT              /CASEWISE OUTLIER(2)              /PRINT=GOODFIT           </p>
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### Notes

Resources	Processor Time	00:00:00.31
	Elapsed Time	00:00:00.40

[DataSet1] F:\PAH - Banjo and SPSS\Jeddah\PAH data.sav

### Warnings

Estimation failed due to numerical problem. Possible reasons are: (1) at least one of the convergence criteria LCON, BCON is zero or too small, or (2) the value of EPS is too small (if not specified, the default value that is used may be too small for this data set).

### Case Processing Summary

Unweighted Cases <sup>a</sup>		N	Percent
Selected Cases	Included in Analysis	146	100.0
	Missing Cases	0	.0
	Total	146	100.0
Unselected Cases		0	.0
Total		146	100.0

a. If weight is in effect, see classification table for the total number of cases.

### Dependent Variable Encoding

Original Value	Internal Value
Control	0
PAH	1

## Block 0: Beginning Block

Classification Table<sup>a,b</sup>

Observed			Predicted		
			PAH		Percentage Correct
			Control	PAH	
Step 0	PAH	Control	0	72	.0
		PAH	0	74	100.0
	Overall Percentage				50.7

a. Constant is included in the model.

b. The cut value is .500

**Variables in the Equation**

	B	S.E.	Wald	df	Sig.	Exp(B)
Step 0 Constant	.027	.166	.027	1	.869	1.028

**Variables not in the Equation<sup>a</sup>**

	Score	df	Sig.
Step 0 Variables NRCAM	1.093	1	.296
MAP2	.909	1	.340
RUNX1T1	.866	1	.352
ENO2	1.426	1	.232
CRISP1	.881	1	.348
NR4A3	.608	1	.436
RLN2	.416	1	.519
LDHA	.074	1	.786
GSTM3	.586	1	.444
LAMC2	.777	1	.378
COL6A1	.539	1	.463
SLC11A2	.606	1	.436
NTRK3	.639	1	.424
PGK1	.528	1	.468
FGA	.432	1	.511
STAT5B	.137	1	.711
TMEM41B	.602	1	.438
PIGC	.193	1	.661
PEX5	.846	1	.358
UGP2	.982	1	.322
RUNX1	1.156	1	.282
PIGK	.915	1	.339
MTM1	1.166	1	.280
ADRA2A	.554	1	.457
NRAS	.582	1	.445
BCR	1.589	1	.207
MAP7	.457	1	.499
MAPK6	.575	1	.448
NEDD4	.545	1	.460
TXK	.013	1	.909
ETV3	.637	1	.425
KPNA4	.656	1	.418
DDX18	.826	1	.363
RAD50	1.148	1	.284
DDX10	.842	1	.359

**Variables not in the Equation<sup>a</sup>**

	Score	df	Sig.
BCLAF1	.001	1	.982
FEZ1	.522	1	.470
LAMP1	.698	1	.403
GCLM	.310	1	.578
JAK1	.344	1	.558
OTUD4	.609	1	.435
FXR1	.007	1	.934
TMED10	1.228	1	.268
HLA.G	.537	1	.464
APP	.156	1	.693
NRIP1	.528	1	.467
ESR2	1.505	1	.220
SEC23A	.001	1	.970
PPP1CC	.491	1	.483
MYCN	.656	1	.418
TMED2	.560	1	.454
ATF2	.731	1	.393
TMF1	.441	1	.507
CA6	.446	1	.504
GOLGA4	.322	1	.570
HSP90AB1	.221	1	.639
CASP8	.153	1	.695
ATP5F1	1.083	1	.298
SCN1B	.606	1	.436
CYCS	.320	1	.572
CD34	.225	1	.635
ABCE1	.879	1	.349
AZGP1	2.955	1	.086
RPS5	.178	1	.674
KRT18	.737	1	.391
PEA15	.718	1	.397
AES	.200	1	.655
ACSM3	1.265	1	.261
RQCD1	1.047	1	.306
CTSE	2.585	1	.108
EIF4A1	1.005	1	.316
HSPA5	1.481	1	.224
CD40	.164	1	.686
ANKS1A	.164	1	.685

**Variables not in the Equation<sup>a</sup>**

	Score	df	Sig.
FLNC	.223	1	.637
PROL1	.191	1	.662
HAAO	1.446	1	.229
DNM1	3.371	1	.066
HOXA1	.023	1	.881
PPP1R10	1.289	1	.256
PF4V1	2.354	1	.125
SDS	.724	1	.395
NUMB	.083	1	.773
SERPINB6	.079	1	.779
COL17A1	.116	1	.733
POLR2A	.001	1	.978
IFIT2	.211	1	.646
KRT1	3.776	1	.052
PTGS1	3.171	1	.075
TBR1	.042	1	.837
DECR1	.150	1	.698
MC2R	.278	1	.598
GLUL	8.127	1	.004
KCNJ8	.059	1	.808
S100A5	.013	1	.909
MT2A	.971	1	.324
ARSE	1.460	1	.227
FKBP8	6.139	1	.013
GPKOW	.954	1	.329
TNFRSF9	.594	1	.441
CX3CL1	1.527	1	.217
GABRA1	.266	1	.606
STARD8	.033	1	.857
SLC19A1	.693	1	.405
FABP4	.079	1	.779
GYPB	1.998	1	.158
ANKRD1	.283	1	.595
AAMP	1.895	1	.169
SULT1C2	.062	1	.804
GUCA2B	.003	1	.958
GRIN2C	.636	1	.425
GMPR	2.359	1	.125
SEPHS2	.622	1	.430

**Variables not in the Equation<sup>a</sup>**

	Score	df	Sig.
CCL21	.142	1	.706
PTMS	.045	1	.832
LMNB1	.043	1	.835
CLTCL1	.130	1	.719
TRPV6	.138	1	.711
SLC18A3	1.251	1	.263
MYL9	2.175	1	.140
TNNI3	.066	1	.797
CDX2	.018	1	.894
PLA2G5	.045	1	.831
IFNA16	.072	1	.788
ST6GALNAC2	.102	1	.749
FES	4.850	1	.028
CDA	1.982	1	.159
SELPLG	4.528	1	.033
PDE2A	.000	1	.989
IFI27	.009	1	.926
SLC8A1	.200	1	.655
SCN5A	.032	1	.858
ZP2	2.026	1	.155
GATA1	3.598	1	.058
NRGN	2.963	1	.085
GIP	.003	1	.955
PSG1	.097	1	.755
TLE1	.035	1	.852
GP1BA	2.134	1	.144
PRM2	.312	1	.576
EPHB1	.021	1	.886
LGALS3	9.122	1	.003
CD72	2.152	1	.142
KCNJ3	.090	1	.764
SLC5A1	.005	1	.942
HTR1D	.000	1	.999
MMP9	.046	1	.830
HSD3B2	.086	1	.770
CYP1B1	.115	1	.735
IFIT3	1.504	1	.220
IQGAP2	1.458	1	.227
ACOX2	.042	1	.838

**Variables not in the Equation<sup>a</sup>**

	Score	df	Sig.
BATF	.721	1	.396
KLRD1	2.522	1	.112
CDX1	.019	1	.891
SFTPC	.091	1	.763
C6orf10	.125	1	.724
LPL	.814	1	.367
CLEC3B	.145	1	.703
SECTM1	8.846	1	.003
XCL1	.037	1	.847
IL13RA2	2.000	1	.157
TMOD1	.021	1	.885
IGFBP2	.063	1	.802
NOTCH3	.000	1	.986

a. Residual Chi-Squares are not computed because of redundancies.

**Block 1: Method = Forward Stepwise (Likelihood Ratio)**

**Step Summary**

Step	Improvement			Model			Correct Class %
	Chi-square	df	Sig.	Chi-square	df	Sig.	
1	10.886	1	.001	10.886	1	.001	55.5%
2	7.785	1	.005	18.672	2	.000	58.9%
3	16.496	1	.000	35.167	3	.000	64.4%
4	10.454	1	.001	45.621	4	.000	65.1%
5	20.159	1	.000	65.780	5	.000	70.5%

**Step Summary**

Step	Variable
1	IN: LGALS3
2	IN: SCN1B
3	IN: CD72
4	IN: ATF2
5	IN: SDS



**Casewise List<sup>b</sup>**

Case	Selected Status <sup>a</sup>	Observed	Predicted	Predicted Group	Temporary Variable	
		PAH			Resid	ZResid
2	S	C**	.894	P	-.894	-2.902
83	S	C	.218	C	-.218	-.527
90	S	P	.645	P	.355	.742
139	S	P	.964	P	.036	.194

a. S = Selected, U = Unselected cases, and \*\* = Misclassified cases.

b. Cases with studentized residuals greater than 2.000 are listed.