	lasso				nnet			
rs8056290_A2(PRKCB)		_			9 (3%)		8 (3%)	8 (4%)
rs8056290_A1(PRKCB)	9 (4%)		9 (4%)	3 (7%)	5 (5%)		4 (5%)	4 (5%)
rs80299807_AT1								
rs80136977_A1(ADCY10) rs798507_T2(GNA12)		8 (4%)	I					
rs798507_T1(GNA12)		0 (170)	•					
rs79469272_G1(SYT1)	4 (8%)	4 (6%)	4 (9%)					
rs78005227_T1(SYT1)	3 (10%)	3 (6%)	3 (9%)	4 (00()	4 (50()		0 (00()	0 (00()
rs7786782_A1(PRKAG2) rs77312623_A1(SYT1)	8 (4%) 6 (6%)	6 (5%)	8 (4%) 6 (6%)	4 (6%)	4 (5%)		3 (6%)	3 (6%)
rs75618936_A1(SYT1)	5 (7%)	5 (5%)	5 (6%)					
rs73355544_G1(SYT1)	3 (170)	3 (375)	3 (370)			3 (2%)		
rs73158188_T2(PRKAG2)						8 (2%)		
rs73158188_T1(PRKAG2)					3 (6%)	7 (2%)	5 (5%)	5 (5%)
rs6947064_G1(PRKAG2) rs62468660_T2(NA)		2 (8%)				4 (2%)		
rs62465540_A2(NA)		1 (9%)				4 (2 /0)		
rs62465540_A1(NA)		. (373)				9 (2%)		
rs551714767_AT1			_			5 (2%)		
rs3813755_C1(ADCY7)				7 (5%)	0 (20()			7 (40/)
rs3785383_A1(PRKCB) rs369471693_AT1				5 (6%)	8 (3%)			7 (4%)
rs2888788_G2(PRKAG2)								
rs2888788_G1(PRKAG2)					7 (5%)		7 (4%)	2 (6%)
rs1872691_A1(BRD7-ADCY7)				6 (6%)				
rs141892450_A2(GNA12)		7 (4%)				2 (4%)		
rs10480299_C1(PRKAG2) rs10254101_T2(PRKAG2)	7 (5%)		7 (4%)	9 (4%)		6 (2%)	9 (3%)	
rs10254101_T2(PRKAG2)	7 (370)		7 (470)	9 (470)	6 (5%)	0 (270)	6 (5%)	6 (4%)
rs10224002_G2(PRKAG2)	1 (14%)	9 (4%)	1 (14%)	2 (7%)	2 (7%)	1 (4%)	2 (8%)	9 (3%)
rs10224002_G1(PRKAG2)				8 (4%)				
CR (Education)	2 (14%)		2 (13%)	1 (12%)	1 (31%)		1 (30%)	1 (19%)
	ranger				xgboost			
		Tan	igei			Ago	0031	
rs8056290_A2(PRKCB) rs8056290_A1(PRKCB)								
	6 (3%)		6 (3%)	6 (1%)	9 (0%)	5 (1%)		8 (2%)
*	6 (3%)		6 (3%) 4 (4%)	6 (4%) 5 (4%)	9 (0%)	5 (1%) 3 (1%)	4 (1%)	8 (2%) 3 (5%)
rs8056290_A1(PRKCB) rs80299807_AT1 rs80136977_A1(ADCY10)	6 (3%) 3 (4%)		6 (3%) 4 (4%)	6 (4%) 5 (4%)	9 (0%) 4 (1%)	3 (1%)	4 (1%)	8 (2%) 3 (5%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12)								
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12)						3 (1%)	4 (1%) 9 (0%)	
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1)						3 (1%)		
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1)	3 (4%)	5 (5%)	4 (4%)	5 (4%)	4 (1%)	3 (1%) 8 (0%)	9 (0%)	3 (5%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1)		5 (5%)				3 (1%)		
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1)	3 (4%)	5 (5%)	4 (4%)	5 (4%)	4 (1%)	3 (1%) 8 (0%)	9 (0%)	3 (5%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73355544_G1(SYT1)	3 (4%)	5 (5%)	4 (4%)	5 (4%)	4 (1%)	3 (1%) 8 (0%)	9 (0%)	3 (5%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73355544_G1(SYT1) rs73158188_T2(PRKAG2)	3 (4%)		4 (4%)	5 (4%)	4 (1%)	3 (1%) 8 (0%)	9 (0%)	3 (5%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73355544_G1(SYT1)	3 (4%)	5 (5%) 7 (5%) 9 (5%)	4 (4%)	5 (4%)	4 (1%)	3 (1%) 8 (0%)	9 (0%)	3 (5%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T2(PRKAG2) rs6947064_G1(PRKAG2) rs62468660_T2(NA)	5 (3%)	7 (5%)	4 (4%) 5 (4%)	3 (5%)	4 (1%)	3 (1%) 8 (0%) 2 (2%)	9 (0%)	3 (5%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73355544_G1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T1(PRKAG2) rs6947064_G1(PRKAG2) rs62468660_T2(NA) rs62465540_A2(NA)	5 (3%)	7 (5%)	4 (4%) 5 (4%)	3 (5%)	4 (1%)	3 (1%) 8 (0%) 2 (2%)	9 (0%)	3 (5%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73355544_G1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T1(PRKAG2) rs6947064_G1(PRKAG2) rs62468660_T2(NA) rs62465540_A2(NA) rs62465540_A1(NA)	5 (3%)	7 (5%)	4 (4%) 5 (4%)	3 (5%)	4 (1%)	3 (1%) 8 (0%) 2 (2%)	9 (0%)	3 (5%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73355544_G1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T1(PRKAG2) rs6947064_G1(PRKAG2) rs62468660_T2(NA) rs62465540_A1(NA) rs551714767_AT1	5 (3%)	7 (5%)	4 (4%) 5 (4%)	3 (5%)	2 (3%)	3 (1%) 8 (0%) 2 (2%)	9 (0%)	3 (5%) 2 (7%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73355544_G1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T1(PRKAG2) rs6947064_G1(PRKAG2) rs62468660_T2(NA) rs62465540_A2(NA) rs62465540_A1(NA)	3 (4%) 5 (3%) 4 (4%) 8 (3%)	7 (5%)	4 (4%) 5 (4%) 3 (4%) 8 (3%)	3 (5%)	4 (1%)	3 (1%) 8 (0%) 2 (2%) 6 (1%)	9 (0%)	3 (5%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T2(PRKAG2) rs6947064_G1(PRKAG2) rs62468660_T2(NA) rs62465540_A2(NA) rs62465540_A1(NA) rs551714767_AT1 rs3813755_C1(ADCY7) rs3785383_A1(PRKCB) rs369471693_AT1	3 (4%) 5 (3%) 4 (4%)	7 (5%) 9 (5%)	4 (4%) 5 (4%) 3 (4%)	5 (4%) 3 (5%) 4 (4%)	2 (3%)	3 (1%) 8 (0%) 2 (2%)	9 (0%)	3 (5%) 2 (7%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T2(PRKAG2) rs6947064_G1(PRKAG2) rs62468660_T2(NA) rs62465540_A2(NA) rs62465540_A1(NA) rs551714767_AT1 rs3813755_C1(ADCY7) rs3785383_A1(PRKCB) rs369471693_AT1 rs2888788_G2(PRKAG2)	3 (4%) 5 (3%) 4 (4%) 8 (3%) 7 (3%)	7 (5%) 9 (5%) 8 (5%)	4 (4%) 5 (4%) 3 (4%) 8 (3%) 7 (3%)	5 (4%) 3 (5%) 4 (4%)	4 (1%) 2 (3%) 8 (1%)	3 (1%) 8 (0%) 2 (2%) 6 (1%)	9 (0%) 2 (2%) 8 (1%)	3 (5%) 2 (7%) 7 (3%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73355544_G1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T1(PRKAG2) rs6947064_G1(PRKAG2) rs62468660_T2(NA) rs62465540_A2(NA) rs62465540_A2(NA) rs551714767_AT1 rs3813755_C1(ADCY7) rs3785383_A1(PRKCB) rs369471693_AT1 rs2888788_G2(PRKAG2) rs2888788_G1(PRKAG2)	3 (4%) 5 (3%) 4 (4%) 8 (3%)	7 (5%) 9 (5%)	4 (4%) 5 (4%) 3 (4%) 8 (3%)	5 (4%) 3 (5%) 4 (4%)	4 (1%) 2 (3%) 8 (1%)	3 (1%) 8 (0%) 2 (2%) 6 (1%)	9 (0%) 2 (2%) 8 (1%) 6 (1%)	3 (5%) 2 (7%) 7 (3%) 4 (3%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73355544_G1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T1(PRKAG2) rs73158188_T1(PRKAG2) rs6947064_G1(PRKAG2) rs62465540_A2(NA) rs62465540_A1(NA) rs551714767_AT1 rs3813755_C1(ADCY7) rs3785383_A1(PRKCB) rs369471693_AT1 rs2888788_G2(PRKAG2) rs2888788_G1(PRKAG2) rs1872691_A1(BRD7-ADCY7)	3 (4%) 5 (3%) 4 (4%) 8 (3%) 7 (3%)	7 (5%) 9 (5%) 8 (5%)	4 (4%) 5 (4%) 3 (4%) 8 (3%) 7 (3%)	5 (4%) 3 (5%) 4 (4%)	4 (1%) 2 (3%) 8 (1%)	3 (1%) 8 (0%) 2 (2%) 6 (1%)	9 (0%) 2 (2%) 8 (1%)	3 (5%) 2 (7%) 7 (3%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73355544_G1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T1(PRKAG2) rs6947064_G1(PRKAG2) rs62468660_T2(NA) rs62465540_A2(NA) rs62465540_A2(NA) rs551714767_AT1 rs3813755_C1(ADCY7) rs3785383_A1(PRKCB) rs369471693_AT1 rs2888788_G2(PRKAG2) rs2888788_G1(PRKAG2)	3 (4%) 5 (3%) 4 (4%) 8 (3%) 7 (3%) 2 (5%)	7 (5%) 9 (5%) 8 (5%) 1 (16%)	4 (4%) 5 (4%) 3 (4%) 8 (3%) 7 (3%)	5 (4%) 3 (5%) 4 (4%)	4 (1%) 2 (3%) 8 (1%)	3 (1%) 8 (0%) 2 (2%) 6 (1%)	9 (0%) 2 (2%) 8 (1%) 6 (1%)	3 (5%) 2 (7%) 7 (3%) 4 (3%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T2(PRKAG2) rs6947064_G1(PRKAG2) rs62468660_T2(NA) rs62465540_A2(NA) rs62465540_A1(NA) rs551714767_AT1 rs3813755_C1(ADCY7) rs3785383_A1(PRKCB) rs369471693_AT1 rs2888788_G2(PRKAG2) rs1872691_A1(BRD7-ADCY7) rs141892450_A2(GNA12) rs10480299_C1(PRKAG2)	3 (4%) 5 (3%) 4 (4%) 8 (3%) 7 (3%)	7 (5%) 9 (5%) 8 (5%) 1 (16%)	4 (4%) 5 (4%) 3 (4%) 8 (3%) 7 (3%)	5 (4%) 3 (5%) 4 (4%) 9 (4%) 2 (6%)	4 (1%) 2 (3%) 8 (1%)	3 (1%) 8 (0%) 2 (2%) 6 (1%)	9 (0%) 2 (2%) 8 (1%) 6 (1%)	3 (5%) 2 (7%) 7 (3%) 4 (3%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T2(PRKAG2) rs6947064_G1(PRKAG2) rs62468660_T2(NA) rs62465540_A2(NA) rs62465540_A1(NA) rs551714767_AT1 rs3813755_C1(ADCY7) rs3785383_A1(PRKCB) rs369471693_AT1 rs2888788_G2(PRKAG2) rs1872691_A1(BRD7-ADCY7) rs141892450_A2(GNA12) rs10480299_C1(PRKAG2) rs10254101_T2(PRKAG2)	3 (4%) 5 (3%) 4 (4%) 8 (3%) 7 (3%) 2 (5%)	7 (5%) 9 (5%) 8 (5%) 1 (16%)	4 (4%) 5 (4%) 3 (4%) 8 (3%) 7 (3%)	5 (4%) 3 (5%) 4 (4%)	4 (1%) 2 (3%) 8 (1%) 5 (1%) 6 (1%) 7 (1%)	3 (1%) 8 (0%) 2 (2%) 6 (1%) 7 (1%) 4 (1%)	9 (0%) 2 (2%) 8 (1%) 6 (1%) 5 (1%) 7 (1%)	3 (5%) 2 (7%) 7 (3%) 4 (3%) 6 (3%) 9 (2%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T2(PRKAG2) rs6947064_G1(PRKAG2) rs62468660_T2(NA) rs62465540_A2(NA) rs62465540_A2(NA) rs62465540_A1(NA) rs551714767_AT1 rs3813755_C1(ADCY7) rs3785383_A1(PRKCB) rs369471693_AT1 rs2888788_G2(PRKAG2) rs1872691_A1(BRD7-ADCY7) rs141892450_A2(GNA12) rs10480299_C1(PRKAG2) rs10254101_T2(PRKAG2) rs10254101_T1(PRKAG2) rs10224002_G2(PRKAG2)	3 (4%) 5 (3%) 4 (4%) 8 (3%) 7 (3%) 2 (5%)	7 (5%) 9 (5%) 8 (5%) 1 (16%) 6 (5%) 4 (7%)	4 (4%) 5 (4%) 3 (4%) 8 (3%) 7 (3%) 2 (6%)	5 (4%) 3 (5%) 4 (4%) 9 (4%) 2 (6%)	4 (1%) 2 (3%) 8 (1%) 5 (1%) 6 (1%)	3 (1%) 8 (0%) 2 (2%) 6 (1%)	9 (0%) 2 (2%) 8 (1%) 6 (1%) 5 (1%)	3 (5%) 2 (7%) 7 (3%) 4 (3%) 6 (3%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T2(PRKAG2) rs6947064_G1(PRKAG2) rs62465540_A2(NA) rs62465540_A2(NA) rs62465540_A1(NA) rs551714767_AT1 rs3813755_C1(ADCY7) rs3785383_A1(PRKCB) rs369471693_AT1 rs2888788_G2(PRKAG2) rs1872691_A1(BRD7-ADCY7) rs141892450_A2(GNA12) rs10254101_T2(PRKAG2) rs10254101_T1(PRKAG2) rs10224002_G2(PRKAG2) rs10224002_G2(PRKAG2) rs10224002_G2(PRKAG2)	3 (4%) 5 (3%) 4 (4%) 8 (3%) 7 (3%) 2 (5%) 9 (3%)	7 (5%) 9 (5%) 8 (5%) 1 (16%) 6 (5%) 4 (7%)	4 (4%) 5 (4%) 3 (4%) 8 (3%) 7 (3%) 2 (6%)	5 (4%) 3 (5%) 4 (4%) 9 (4%) 2 (6%) 8 (4%) 7 (4%)	4 (1%) 2 (3%) 8 (1%) 5 (1%) 6 (1%) 7 (1%) 3 (2%)	3 (1%) 8 (0%) 2 (2%) 6 (1%) 7 (1%) 4 (1%)	9 (0%) 2 (2%) 8 (1%) 6 (1%) 5 (1%) 7 (1%) 3 (2%)	3 (5%) 2 (7%) 7 (3%) 4 (3%) 6 (3%) 9 (2%) 5 (3%)
rs80299807_AT1 rs80136977_A1(ADCY10) rs798507_T2(GNA12) rs798507_T1(GNA12) rs79469272_G1(SYT1) rs78005227_T1(SYT1) rs7786782_A1(PRKAG2) rs77312623_A1(SYT1) rs75618936_A1(SYT1) rs73355544_G1(SYT1) rs73158188_T2(PRKAG2) rs73158188_T1(PRKAG2) rs6947064_G1(PRKAG2) rs62468660_T2(NA) rs62465540_A2(NA) rs62465540_A2(NA) rs62465540_A1(NA) rs551714767_AT1 rs3813755_C1(ADCY7) rs3785383_A1(PRKCB) rs369471693_AT1 rs2888788_G2(PRKAG2) rs2888788_G1(PRKAG2) rs1872691_A1(BRD7-ADCY7) rs141892450_A2(GNA12) rs10480299_C1(PRKAG2) rs10254101_T2(PRKAG2) rs10254101_T1(PRKAG2) rs10224002_G2(PRKAG2)	3 (4%) 5 (3%) 4 (4%) 8 (3%) 7 (3%) 2 (5%)	7 (5%) 9 (5%) 8 (5%) 1 (16%) 6 (5%) 4 (7%)	4 (4%) 5 (4%) 3 (4%) 8 (3%) 7 (3%) 2 (6%)	5 (4%) 3 (5%) 4 (4%) 9 (4%) 2 (6%)	4 (1%) 2 (3%) 8 (1%) 5 (1%) 6 (1%) 7 (1%)	3 (1%) 8 (0%) 2 (2%) 6 (1%) 7 (1%) 4 (1%)	9 (0%) 2 (2%) 8 (1%) 6 (1%) 5 (1%) 7 (1%)	3 (5%) 2 (7%) 7 (3%) 4 (3%) 6 (3%) 9 (2%)