

Online resource 1

Statistical analyses of clinical subphenotypes

\*\*\*\*\* Arthropatic psoriasis as dependent variable \*\*\*\*\*

```
summary(glm(LZS~., data=CASES_PSO2))
```

```
glm(formula = LZS ~ ., data = CASES_PSO2)
```

Deviance Residuals:

Min	1Q	Median	3Q	Max
-0.42311	-0.20327	-0.11464	0.01502	0.96786

Coefficients: (4 not defined because of singularities)

	Estimate	Std. Error	t value	Pr(> t )
sexM	-0.066845	0.054074	-1.236	0.21788
FH01	-0.022941	0.052442	-0.437	0.66226
yob	0.001729	0.001668	1.037	0.30102
PASI	-0.019932	0.057717	-0.345	0.73020
NAPSI	0.195172	0.060400	3.231	0.00145 **
skinII	0.097059	0.380804	0.255	0.79908
skinIII	0.159373	0.383855	0.415	0.67846
skinIII/IV	0.001204	0.466529	0.003	0.99794
skinIV	-0.010698	0.431447	-0.025	0.98024
smoke	-0.067225	0.053928	-1.247	0.21404
pustular.	-0.156592	0.114603	-1.366	0.17338
RAPTOR_rs869190GT	0.243525	0.094650	2.573	0.01082
RAPTOR_rs869190TT	0.032131	0.384023	0.084	0.93340
RAPTOR_rs11658698CT	0.077493	0.054882	1.412	0.15954
RAPTOR_rs11658698TT	0.037785	0.095009	0.398	0.69129
RAPTOR_rs12602885AA	0.126285	0.400032	0.316	0.75258
RAPTOR_rs12602885AG	-0.176429	0.097033	-1.818	0.07056 .
ZNF750_rs8074277CC	0.276685	0.429038	0.645	0.51975
ZNF750_rs8074277CT	0.066472	0.063131	1.053	0.29367
ZNF750_rs11077947AG	-0.097620	0.068073	-1.434	0.15315
ZNF750_rs11077947GG	-0.064306	0.088665	-0.725	0.46915
ZNF750_rs12450046AA	-0.123881	0.377538	-0.328	0.74317
ZNF750_rs12450046AG	NA	NA	NA	NA
TRAF3IP2_rs13190932AA	-0.035034	0.172259	-0.203	0.83905
TRAF3IP2_rs13190932AG	0.135438	0.327971	0.413	0.68009
TRAF3IP2_rs13196377AA	NA	NA	NA	NA
TRAF3IP2_rs13196377AG	-0.020091	0.272795	-0.074	0.94137
TRAF3IP2_rs13210247AG	-0.035376	0.148754	-0.238	0.81227
TRAF3IP2_rs13210247GG	NA	NA	NA	NA
TRAF3IP2_rs33980500CT	-0.091284	0.105511	-0.865	0.38801
TRAF3IP2_rs33980500TT	NA	NA	NA	NA

	OR	2.5 %	97.5 %
sexM	0.93534051	8.412821e-01	1.039915
FH01	0.97731972	8.818560e-01	1.083118
yob	1.00173072	9.984621e-01	1.005010
PASI	0.98026489	8.754167e-01	1.097671
NAPSI	1.21552000	1.079816e+00	1.368278
skinII	1.10192533	5.224095e-01	2.324306
skinIII	1.17277582	5.526841e-01	2.488588
skinIII/IV	1.00120492	4.012475e-01	2.498237
skinIV	0.98935898	4.247231e-01	2.304634

smoke	0.93498502	8.412036e-01	1.039222
pustular.	0.85505279	6.830341e-01	1.070393
RAPTOR_rs869190GT	1.27573811	1.059731e+00	1.535774
RAPTOR_rs869190TT	1.03265291	4.864892e-01	2.191975
RAPTOR_rs11658698CT	1.08057496	9.703739e-01	1.203291
RAPTOR_rs11658698TT	1.03850743	8.620605e-01	1.251070
RAPTOR_rs12602885AA	1.13460523	5.180086e-01	2.485150
RAPTOR_rs12602885AG	0.83825833	6.930795e-01	1.013848
ZNF750_rs8074277CC	1.31875135	5.688077e-01	3.057457
ZNF750_rs8074277CT	1.06873138	9.443457e-01	1.209501
ZNF750_rs11077947AG	0.90699389	7.937082e-01	1.036449
ZNF750_rs11077947GG	0.93771793	7.881351e-01	1.115691
ZNF750_rs12450046AA	0.88348535	4.215399e-01	1.851655
ZNF750_rs12450046AG	NA	NA	NA
TRAF3IP2_rs13190932AA	0.96557291	6.889032e-01	1.353356
TRAF3IP2_rs13190932AG	1.14503832	6.020749e-01	2.177657
TRAF3IP2_rs13196377AA	NA	NA	NA
TRAF3IP2_rs13196377AG	0.98010971	5.742103e-01	1.672932
TRAF3IP2_rs13210247AG	0.96524286	7.211359e-01	1.291981
TRAF3IP2_rs13210247GG	NA	NA	NA
TRAF3IP2_rs33980500CT	0.91275818	7.422406e-01	1.122449
TRAF3IP2_rs33980500TT	NA	NA	NA

per allele:

```
a <- (glm(LZS~., data=CASES_PSO))
summary(a)
```

Coefficients:

	Estimate	Std. Error	t value	Pr(> t )
sexM	-0.077788	0.053196	-1.462	0.14522
FH01	-0.026037	0.051371	-0.507	0.61282
yob	0.001600	0.001631	0.981	0.32768
PASI	-0.017683	0.056933	-0.311	0.75643
NAPSI	0.183749	0.059528	3.087	0.00231 **
skinII	0.063412	0.376746	0.168	0.86650
skinIII	0.122717	0.379436	0.323	0.74671
skinIII/IV	-0.053940	0.460297	-0.117	0.90683
skinIV	-0.043423	0.425609	-0.102	0.91884
smoke	-0.065502	0.053357	-1.228	0.22102
pustular.	-0.154118	0.113476	-1.358	0.17593
RAPTOR_rs869190	0.217056	0.088570	2.451	0.01511
RAPTOR_rs11658698	0.046144	0.040744	1.133	0.25875
RAPTOR_rs12602885	-0.153715	0.090753	-1.694	0.09185 .
ZNF750_rs8074277	0.195074	0.381208	0.512	0.60940
ZNF750_rs11077947	-0.027263	0.043434	-0.628	0.53092
ZNF750_rs12450046	-0.131905	0.372977	-0.354	0.72397
TRAF3IP2_rs13190932	0.113787	0.322549	0.353	0.72463
TRAF3IP2_rs13196377	-0.019017	0.268843	-0.071	0.94368
TRAF3IP2_rs13210247	-0.032103	0.144427	-0.222	0.82432
TRAF3IP2_rs33980500	-0.079622	0.104129	-0.765	0.44537

	OR	2.5 %	97.5 %
sexM	0.92516077	8.335598e-01	1.026828
FH01	0.97429931	8.809778e-01	1.077506
yob	1.00160125	9.984052e-01	1.004808
PASI	0.98247250	8.787369e-01	1.098454
NAPSI	1.20171410	1.069377e+00	1.350427
skinII	1.06546588	5.091580e-01	2.229598
skinIII	1.13056404	5.374255e-01	2.378330
skinIII/IV	0.94748907	3.843870e-01	2.335499

```

skinIV          0.95750622 4.157789e-01 2.205062
smoke           0.93659702 8.435969e-01 1.039850
pustular.      0.85717070 6.862402e-01 1.070677
RAPTOR_rs869190 1.24241318 1.044419e+00 1.477942
RAPTOR_rs11658698 1.04722533 9.668499e-01 1.134282
RAPTOR_rs12602885 0.85751628 7.177838e-01 1.024451
ZNF750_rs8074277 1.21540051 5.757513e-01 2.565689
ZNF750_rs11077947 0.97310527 8.936930e-01 1.059574
ZNF750_rs12450046 0.87642458 4.219256e-01 1.820511
TRAF3IP2_rs13190932 1.12051352 5.954741e-01 2.108489
TRAF3IP2_rs13196377 0.98116289 5.792969e-01 1.661809
TRAF3IP2_rs13210247 0.96840684 7.296620e-01 1.285269
TRAF3IP2_rs33980500 0.92346513 7.529845e-01 1.132544

```

LZS is significantly associated with NAPSI and RAPTOR\_rs869190GT.

\*\*\*\*\* NAPSI as dependent variable \*\*\*\*\*

```
glm(formula = NAPSI ~ ., data = CASES_PSO2)
```

	Estimate	Std. Error	t value	Pr(> t )	
sexM	0.058305	0.062414	0.934	0.351369	
FH01	-0.066559	0.060272	-1.104	0.270810	
yob	-0.006773	0.001865	-3.632	0.000360	***
LZS	0.259150	0.080199	3.231	0.001445	**
PASI	0.187939	0.065159	2.884	0.004361	**
skinII	0.488857	0.437483	1.117	0.265179	
skinIII	0.465189	0.441263	1.054	0.293079	
skinIII/IV	-0.059694	0.537567	-0.111	0.911694	
skinIV	0.403482	0.496322	0.813	0.417237	
smoke	0.045947	0.062301	0.738	0.461697	
pustular.	-0.105786	0.132470	-0.799	0.425508	
RAPTOR_rs869190GT	-0.179716	0.110146	-1.632	0.104366	
RAPTOR_rs869190TT	0.078086	0.442484	0.176	0.860106	
RAPTOR_rs11658698CT	-0.056515	0.063433	-0.891	0.374057	
RAPTOR_rs11658698TT	-0.049248	0.109467	-0.450	0.653289	
RAPTOR_rs12602885AA	-0.402558	0.460178	-0.875	0.382760	
RAPTOR_rs12602885AG	0.117560	0.112438	1.046	0.297053	
ZNF750_rs8074277CC	-0.316866	0.494388	-0.641	0.522319	
ZNF750_rs8074277CT	-0.054759	0.072847	-0.752	0.453132	
ZNF750_rs11077947AG	0.029030	0.078823	0.368	0.713051	
ZNF750_rs11077947GG	-0.091140	0.102098	-0.893	0.373131	
ZNF750_rs12450046AA	0.077335	0.435123	0.178	0.859118	
ZNF750_rs12450046AG	NA	NA	NA	NA	
TRAF3IP2_rs13190932AA	0.187147	0.198065	0.945	0.345885	
TRAF3IP2_rs13190932AG	-0.681197	0.374943	-1.817	0.070775	.
TRAF3IP2_rs13196377AA	NA	NA	NA	NA	
TRAF3IP2_rs13196377AG	0.418620	0.312922	1.338	0.182519	
TRAF3IP2_rs13210247AG	0.272073	0.170329	1.597	0.111801	
TRAF3IP2_rs13210247GG	NA	NA	NA	NA	
TRAF3IP2_rs33980500CT	0.024671	0.121800	0.203	0.839691	
TRAF3IP2_rs33980500TT	NA	NA	NA	NA	

	OR	2.5 %	97.5 %
sexM	1.060038e+00	0.9379827	1.197975e+00
FH01	9.356077e-01	0.8313624	1.052924e+00
yob	9.932499e-01	0.9896258	9.968873e-01
LZS	1.295828e+00	1.1073426	1.516397e+00
PASI	1.206760e+00	1.0620810	1.371149e+00
skinII	1.630451e+00	0.6917056	3.843213e+00
skinIII	1.592315e+00	0.6705411	3.781225e+00

skinIII/IV	9.420524e-01	0.3284713	2.701797e+00
skinIV	1.497028e+00	0.5659260	3.960046e+00
smoke	1.047019e+00	0.9266678	1.183001e+00
L.kros1k.	8.996170e-01	0.6939034	1.166316e+00
RAPTOR_rs869190GT	8.355072e-01	0.6732770	1.036828e+00
RAPTOR_rs869190TT	1.081215e+00	0.4542229	2.573684e+00
RAPTOR_rs11658698CT	9.450522e-01	0.8345669	1.070164e+00
RAPTOR_rs11658698TT	9.519453e-01	0.7681279	1.179751e+00
RAPTOR_rs12602885AA	6.686077e-01	0.2713108	1.647690e+00
RAPTOR_rs12602885AG	1.124749e+00	0.9022951	1.402047e+00
ZNF750_rs8074277CC	7.284282e-01	0.2764159	1.919599e+00
ZNF750_rs8074277CT	9.467130e-01	0.8207499	1.092008e+00
ZNF750_rs11077947AG	1.029456e+00	0.8820903	1.201441e+00
ZNF750_rs11077947GG	9.128901e-01	0.7473297	1.115128e+00
ZNF750_rs12450046AA	1.080404e+00	0.4604782	2.534913e+00
ZNF750_rs12450046AG	NA	NA	NA
TRAF3IP2_rs13190932AA	1.205804e+00	0.8178692	1.777746e+00
TRAF3IP2_rs13190932AG	5.060110e-01	0.2426656	1.055144e+00
TRAF3IP2_rs13196377AA	NA	NA	NA
TRAF3IP2_rs13196377AG	1.519863e+00	0.8230853	2.806493e+00
TRAF3IP2_rs13210247AG	1.312683e+00	0.9401031	1.832924e+00
TRAF3IP2_rs13210247GG	NA	NA	NA
TRAF3IP2_rs33980500CT	1.024978e+00	0.8073066	1.301340e+00
TRAF3IP2_rs33980500TT	NA	NA	NA

per allele:

glm(formula = NAPSI ~ ., data = CASES\_PSO)

Coefficients:

	Estimate	Std. Error	t value	Pr(> t )	
sexM	0.068397	0.061580	1.111	0.268017	
FH01	-0.064752	0.059199	-1.094	0.275338	
yob	-0.006655	0.001829	-3.639	0.000348	***
LZS	0.245142	0.079417	3.087	0.002307	**
PASI	0.193058	0.064358	3.000	0.003042	**
skinII	0.544372	0.433498	1.256	0.210652	
skinIII	0.521111	0.436841	1.193	0.234305	
skinIII/IV	0.049235	0.531667	0.093	0.926310	
skinIV	0.485872	0.490417	0.991	0.323002	
smoke	0.042173	0.061788	0.683	0.495676	
L.kros1k.	-0.115693	0.131415	-0.880	0.379709	
RAPTOR_rs869190	-0.154167	0.103244	-1.493	0.136936	
RAPTOR_rs11658698	-0.043929	0.047108	-0.933	0.352182	
RAPTOR_rs12602885	0.054061	0.105496	0.512	0.608900	
ZNF750_rs8074277	-0.182289	0.440408	-0.414	0.679380	
ZNF750_rs11077947	-0.045484	0.050115	-0.908	0.365180	
ZNF750_rs12450046	0.111158	0.430865	0.258	0.796679	
TRAF3IP2_rs13190932	-0.619450	0.370114	-1.674	0.095742	.
TRAF3IP2_rs13196377	0.409036	0.309192	1.323	0.187357	
TRAF3IP2_rs13210247	0.260608	0.165828	1.572	0.117618	
TRAF3IP2_rs33980500	0.007141	0.120445	0.059	0.952782	

	OR	2.5 %	97.5 %
sexM	1.070790e+00	0.9490464	1.208151e+00
FH01	9.372995e-01	0.8346193	1.052612e+00
yob	9.933670e-01	0.9898124	9.969344e-01
LZS	1.277803e+00	1.0936141	1.493013e+00
PASI	1.212953e+00	1.0692091	1.376022e+00
skinII	1.723525e+00	0.7369254	4.030991e+00
skinIII	1.683897e+00	0.7152796	3.964199e+00

skinIII/IV	1.050467e+00	0.3705323	2.978095e+00
skinIV	1.625591e+00	0.6216804	4.250651e+00
smoke	1.043075e+00	0.9241055	1.177361e+00
L.kros1k.	8.907490e-01	0.6884859	1.152433e+00
RAPTOR_rs869190	8.571289e-01	0.7001080	1.049367e+00
RAPTOR_rs11658698	9.570215e-01	0.8726155	1.049592e+00
RAPTOR_rs12602885	1.055549e+00	0.8583809	1.298005e+00
ZNF750_rs8074277	8.333608e-01	0.3515257	1.975646e+00
ZNF750_rs11077947	9.555352e-01	0.8661408	1.054156e+00
ZNF750_rs12450046	1.117572e+00	0.4803106	2.600330e+00
TRAF3IP2_rs13190932	5.382403e-01	0.2605762	1.111777e+00
TRAF3IP2_rs13196377	1.505367e+00	0.8212168	2.759477e+00
TRAF3IP2_rs13210247	1.297719e+00	0.9376220	1.796113e+00
TRAF3IP2_rs33980500	1.007166e+00	0.7953859	1.275336e+00

LZS and PASI are significantly associated with NAPSI

\*\*\*\*\* Pustular psoriasis as dependent variable \*\*\*\*\*

glm(formula = L.kros1k. ~ ., data = CASES\_PSO2)

	Estimate	Std. Error	t value	Pr(> t )
sexM	-0.087618	0.033087	-2.648	0.00875 **
FH01	-0.028885	0.032481	-0.889	0.37494
yob	-0.001829	0.001029	-1.777	0.07709 .
LZS	-0.060256	0.044099	-1.366	0.17338
PASI	-0.052178	0.035619	-1.465	0.14455
NAPSI	-0.030657	0.038390	-0.799	0.42551
skinII	0.073910	0.236201	0.313	0.75468
skinIII	0.109024	0.238091	0.458	0.64752
skinIII/IV	-0.054377	0.289372	-0.188	0.85114
skinIV	0.203394	0.267241	0.761	0.44752
smoke	0.085845	0.033020	2.600	0.01004 *
RAPTOR_rs869190GT	0.041144	0.059624	0.690	0.49097
RAPTOR_rs869190TT	0.061268	0.238182	0.257	0.79727
RAPTOR_rs11658698CT	-0.001251	0.034217	-0.037	0.97087
RAPTOR_rs11658698TT	-0.076710	0.058705	-1.307	0.19284
RAPTOR_rs12602885AA	-0.067324	0.248165	-0.271	0.78646
RAPTOR_rs12602885AG	-0.070076	0.060490	-1.158	0.24808
ZNF750_rs8074277CC	0.125753	0.266272	0.472	0.63726
ZNF750_rs8074277CT	0.018998	0.039249	0.484	0.62889
ZNF750_rs11077947AG	-0.006785	0.042445	-0.160	0.87316
ZNF750_rs11077947GG	-0.033260	0.055023	-0.604	0.54623
ZNF750_rs12450046AA	-0.158273	0.233986	-0.676	0.49957
ZNF750_rs12450046AG	NA	NA	NA	NA
TRAF3IP2_rs13190932AA	-0.023369	0.106854	-0.219	0.82711
TRAF3IP2_rs13190932AG	-0.042490	0.203513	-0.209	0.83483
TRAF3IP2_rs13196377AA	NA	NA	NA	NA
TRAF3IP2_rs13196377AG	-0.064513	0.169160	-0.381	0.70334
TRAF3IP2_rs13210247AG	-0.011631	0.092285	-0.126	0.89983
TRAF3IP2_rs13210247GG	NA	NA	NA	NA
TRAF3IP2_rs33980500CT	0.144912	0.064753	2.238	0.02635 *
TRAF3IP2_rs33980500TT	NA	NA	NA	NA

	OR	2.5 %	97.5 %
sexM	0.9161111	0.8585870	0.9774893
FH01	0.9715282	0.9116059	1.0353893
yob	0.9981730	0.9961619	1.0001881
LZS	0.9415232	0.8635627	1.0265220
PASI	0.9491596	0.8851564	1.0177906

NAPSI	0.9698083	0.8995151	1.0455947
skinII	1.0767104	0.6777108	1.7106195
skinIII	1.1151893	0.6993355	1.7783269
skinIII/IV	0.9470753	0.5371194	1.6699297
skinIV	1.2255550	0.7258667	2.0692301
smoke	1.0896373	1.0213508	1.1624895
RAPTOR_rs869190GT	1.0420022	0.9270788	1.1711718
RAPTOR_rs869190TT	1.0631839	0.6666040	1.6956993
RAPTOR_rs11658698CT	0.9987495	0.9339656	1.0680270
RAPTOR_rs11658698TT	0.9261581	0.8254972	1.0390936
RAPTOR_rs12602885AA	0.9348926	0.5748092	1.5205466
RAPTOR_rs12602885AG	0.9323230	0.8280887	1.0496777
ZNF750_rs8074277CC	1.1340017	0.6729193	1.9110166
ZNF750_rs8074277CT	1.0191801	0.9437180	1.1006763
ZNF750_rs11077947AG	0.9932379	0.9139534	1.0794003
ZNF750_rs11077947GG	0.9672870	0.8683997	1.0774349
ZNF750_rs12450046AA	0.8536170	0.5396274	1.3503057
ZNF750_rs12450046AG	NA	NA	NA
TRAF3IP2_rs13190932AA	0.9769015	0.7923127	1.2044948
TRAF3IP2_rs13190932AG	0.9583996	0.6431555	1.4281613
TRAF3IP2_rs13196377AA	NA	NA	NA
TRAF3IP2_rs13196377AG	0.9375241	0.6729660	1.3060859
TRAF3IP2_rs13210247AG	0.9884362	0.8248896	1.1844084
TRAF3IP2_rs13210247GG	NA	NA	NA
TRAF3IP2_rs33980500CT	1.1559380	1.0181608	1.3123591
TRAF3IP2_rs33980500TT	NA	NA	NA

per allele:

glm(formula = L.kros1k. ~ ., data = CASES\_PSO)

Coefficients:

	Estimate	Std. Error	t value	Pr(> t )	
sexM	-0.090065	0.032393	-2.780	0.00594	**
FH01	-0.032783	0.031644	-1.036	0.30144	
yob	-0.001706	0.001002	-1.703	0.09004	.
LZS	-0.058714	0.043231	-1.358	0.17593	
PASI	-0.057494	0.034916	-1.647	0.10118	
NAPSI	-0.033037	0.037527	-0.880	0.37971	
skinII	0.071761	0.232500	0.309	0.75791	
skinIII	0.102150	0.234149	0.436	0.66311	
skinIII/IV	-0.042377	0.284102	-0.149	0.88158	
skinIV	0.208449	0.262295	0.795	0.42771	
smoke	0.086999	0.032485	2.678	0.00801	
RAPTOR_rs869190	0.046813	0.055377	0.845	0.39891	
RAPTOR_rs11658698	-0.023163	0.025175	-0.920	0.35863	
RAPTOR_rs12602885	-0.062285	0.056241	-1.107	0.26941	
ZNF750_rs8074277	0.143281	0.235229	0.609	0.54313	
ZNF750_rs11077947	-0.016378	0.026810	-0.611	0.54197	
ZNF750_rs12450046	-0.130931	0.230099	-0.569	0.56997	
TRAF3IP2_rs13190932	-0.049512	0.199117	-0.249	0.80388	
TRAF3IP2_rs13196377	-0.073194	0.165860	-0.441	0.65947	
TRAF3IP2_rs13210247	-0.008649	0.089153	-0.097	0.92281	
TRAF3IP2_rs33980500	0.144931	0.063551	2.281	0.02362	*

	OR	2.5 %	97.5 %
sexM	0.9138718	0.8576538	0.9737748
FH01	0.9677485	0.9095510	1.0296698
yob	0.9982952	0.9963371	1.0002571
LZS	0.9429760	0.8663678	1.0263583
PASI	0.9441277	0.8816792	1.0109993

NAPSI	0.9675025	0.8988955	1.0413459
skinII	1.0743981	0.6811788	1.6946085
skinIII	1.1075495	0.6999307	1.7525532
skinIII/IV	0.9585084	0.5492470	1.6727234
skinIV	1.2317663	0.7366522	2.0596534
smoke	1.0908957	1.0236049	1.1626101
RAPTOR_rs869190	1.0479265	0.9401429	1.1680672
RAPTOR_rs11658698	0.9771032	0.9300607	1.0265251
RAPTOR_rs12602885	0.9396153	0.8415458	1.0491134
ZNF750_rs8074277	1.1540539	0.7277785	1.8300079
ZNF750_rs11077947	0.9837557	0.9333967	1.0368316
ZNF750_rs12450046	0.8772783	0.5588264	1.3772026
TRAF3IP2_rs13190932	0.9516938	0.6441818	1.4060023
TRAF3IP2_rs13196377	0.9294208	0.6714788	1.2864487
TRAF3IP2_rs13210247	0.9913883	0.8324472	1.1806765
TRAF3IP2_rs33980500	1.1559602	1.0205824	1.3092955

\*\*\*\*\* PASI as dependent variable (mild/severe) <10>\*\*\*\*\*

glm(formula = PASI ~ ., data = CASES\_PSO2)

Deviance Residuals:

Min	1Q	Median	3Q	Max
-0.6712	-0.3540	-0.1576	0.4755	0.9381

Coefficients: (4 not defined because of singularities)

	Estimate	Std. Error	t value	Pr(> t )	
sexM	0.1570427	0.0662172	2.372	0.01868	*
FH01	0.0545064	0.0647961	0.841	0.40126	
yob	0.0044449	0.0020442	2.174	0.03088	*
LZS	-0.0305096	0.0883441	-0.345	0.73020	
NAPSI	0.2166505	0.0751132	2.884	0.00436	**
skinII	0.2262016	0.4709297	0.480	0.63153	
skinIII	0.2505646	0.4747748	0.528	0.59827	
skinIII/IV	0.5421980	0.5758867	0.942	0.34761	
skinIV	0.2138627	0.5335654	0.401	0.68899	
smoke	0.1077746	0.0665394	1.620	0.10690	
pustular.	-0.2075553	0.1416867	-1.465	0.14455	
RAPTOR_rs869190GT	-0.0843323	0.1189084	-0.709	0.47903	
RAPTOR_rs869190TT	-0.4862626	0.4738484	-1.026	0.30606	
RAPTOR_rs11658698CT	-0.0323401	0.0682053	-0.474	0.63591	
RAPTOR_rs11658698TT	0.0476735	0.1175428	0.406	0.68549	
RAPTOR_rs12602885AA	0.2974081	0.4945870	0.601	0.54832	
RAPTOR_rs12602885AG	0.0210348	0.1210478	0.174	0.86222	
ZNF750_rs8074277CC	0.1477964	0.5312607	0.278	0.78115	
ZNF750_rs8074277CT	-0.0936975	0.0780399	-1.201	0.23134	
ZNF750_rs11077947AG	0.0007293	0.0846597	0.009	0.99314	
ZNF750_rs11077947GG	0.1059471	0.1095816	0.967	0.33482	
ZNF750_rs12450046AA	-0.3354045	0.4666010	-0.719	0.47310	
ZNF750_rs12450046AG	NA	NA	NA	NA	
TRAF3IP2_rs13190932AA	0.2160520	0.2125805	1.016	0.31073	
TRAF3IP2_rs13190932AG	0.9750537	0.3999211	2.438	0.01566	*
TRAF3IP2_rs13196377AA	NA	NA	NA	NA	
TRAF3IP2_rs13196377AG	-0.6685707	0.3341097	-2.001	0.04677	*
TRAF3IP2_rs13210247AG	-0.3535427	0.1823234	-1.939	0.05393	.
TRAF3IP2_rs13210247GG	NA	NA	NA	NA	
TRAF3IP2_rs33980500CT	-0.0201474	0.1307786	-0.154	0.87772	
TRAF3IP2_rs33980500TT	NA	NA	NA	NA	

	OR	2.5 %	97.5 %
sexM	1.1700456236	1.027634e+00	1.3321925
FH01	1.0560192014	9.300735e-01	1.1990198
yob	1.0044547543	1.000438e+00	1.0084873
LZS	0.9699511430	8.157390e-01	1.1533165
NAPSI	1.2419099756	1.071898e+00	1.4388866
skinII	1.2538284005	4.981751e-01	3.1556887
skinIII	1.2847506313	5.066288e-01	3.2579757
skinIII/IV	1.7197827630	5.562601e-01	5.3170315
skinIV	1.2384525671	4.352188e-01	3.5241231
smoke	1.1137966254	9.776141e-01	1.2689495
pustular.	0.8125683167	6.155395e-01	1.0726643
RAPTOR_rs869190GT	0.9191257952	7.280478e-01	1.1603526
RAPTOR_rs869190TT	0.6149203127	2.429284e-01	1.5565366
RAPTOR_rs11658698CT	0.9681772220	8.470293e-01	1.1066526
RAPTOR_rs11658698TT	1.0488281938	8.330130e-01	1.3205563
RAPTOR_rs12602885AA	1.3463645804	5.107043e-01	3.5494074
RAPTOR_rs12602885AG	1.0212575731	8.055625e-01	1.2947065
ZNF750_rs8074277CC	1.1592768086	4.092392e-01	3.2839538
ZNF750_rs8074277CT	0.9105581423	7.814118e-01	1.0610488
ZNF750_rs11077947AG	1.0007296022	8.477237e-01	1.1813516
ZNF750_rs11077947GG	1.1117630907	8.968839e-01	1.3781239
ZNF750_rs12450046AA	0.7150487966	2.865261e-01	1.7844616
ZNF750_rs12450046AG	NA	NA	NA
TRAF3IP2_rs13190932AA	1.2411669140	8.182412e-01	1.8826909
TRAF3IP2_rs13190932AG	2.6513096708	1.210729e+00	5.8059587
TRAF3IP2_rs13196377AA	NA	NA	NA
TRAF3IP2_rs13196377AG	0.5124404905	2.662250e-01	0.9863660
TRAF3IP2_rs13210247AG	0.7021960187	4.912069e-01	1.0038118
TRAF3IP2_rs13210247GG	NA	NA	NA
TRAF3IP2_rs33980500CT	0.9800542396	7.584574e-01	1.2663945
TRAF3IP2_rs33980500TT	NA	NA	NA

per allele:

```
glm(formula = PASI ~ ., data = CASES_PSO)
```

Coefficients:

	Estimate	Std. Error	t value	Pr(> t )
sexM	0.1544092	0.0651732	2.369	0.01877 *
FH01	0.0551369	0.0633930	0.870	0.38546
yob	0.0042946	0.0019968	2.151	0.03269 *
LZS	-0.0269939	0.0869114	-0.311	0.75643
NAPSI	0.2209058	0.0736410	3.000	0.00304 **
skinII	0.2201310	0.4652590	0.473	0.63663
skinIII	0.2526911	0.4685922	0.539	0.59030
skinIII/IV	0.5088197	0.5676057	0.896	0.37109
skinIV	0.2035734	0.5256746	0.387	0.69897
smoke	0.1086573	0.0657272	1.653	0.09985 .
pustular.	-0.2303788	0.1399070	-1.647	0.10118
RAPTOR_rs869190	-0.1072771	0.1107901	-0.968	0.33406
RAPTOR_rs11658698	0.0004809	0.0504999	0.010	0.99241
RAPTOR_rs12602885	0.0207468	0.1129122	0.184	0.85440
ZNF750_rs8074277	0.2852304	0.4708740	0.606	0.54536
ZNF750_rs11077947	0.0552450	0.0535764	1.031	0.30371
ZNF750_rs12450046	-0.3833005	0.4601803	-0.833	0.40586
TRAF3IP2_rs13190932	0.9874854	0.3925427	2.516	0.01266 *
TRAF3IP2_rs13196377	-0.6464257	0.3290417	-1.965	0.05084 .
TRAF3IP2_rs13210247	-0.3403635	0.1768522	-1.925	0.05569 .
TRAF3IP2_rs33980500	-0.0033384	0.1288407	-0.026	0.97935



	OR	2.5 %	97.5 %
sexM	1.1669683617	1.027031e+00	1.3259728
FH01	1.0566852478	9.332229e-01	1.1964812
yob	1.0043037936	1.000381e+00	1.0082420
LZS	0.9733671503	8.209139e-01	1.1541328
NAPSI	1.2472059246	1.079580e+00	1.4408591
skinII	1.2462400342	5.006942e-01	3.1019219
skinIII	1.2874855447	5.138969e-01	3.2255867
skinIII/IV	1.6633268866	5.468028e-01	5.0596964
skinIV	1.2257750749	4.374776e-01	3.4345179
smoke	1.1147802648	9.800363e-01	1.2680500
L.kros1k.	0.7942326659	6.037522e-01	1.0448087
RAPTOR_rs869190	0.8982767358	7.229453e-01	1.1161302
RAPTOR_rs11658698	1.0004810257	9.061983e-01	1.1045731
RAPTOR_rs12602885	1.0209635571	8.182749e-01	1.2738587
ZNF750_rs8074277	1.3300684331	5.285247e-01	3.3472080
ZNF750_rs11077947	1.0567994594	9.514551e-01	1.1738075
ZNF750_rs12450046	0.6816080348	2.765849e-01	1.6797354
TRAF3IP2_rs13190932	2.6844754650	1.243731e+00	5.7941859
TRAF3IP2_rs13196377	0.5239150511	2.749034e-01	0.9984852
TRAF3IP2_rs13210247	0.7115116724	5.030894e-01	1.0062801
TRAF3IP2_rs33980500	0.9966671725	7.742492e-01	1.2829789

Common variants of ZNF750, RAPTOR and TRAF3IP2 genes and psoriasis risk.

Archives of Dermatological Research.

T. Dębniak, E. Soczawa<sup>2</sup>, M. Boer, M. Różewicka-Czabańska, J. Wiśniewska, P. Serrano-Fernandez, A. Mirecka, K. Paszkowska-Szczur, J. Lubinski, L. Krysztoforska, Z. Adamski, R. Maleszka

Department of Genetics and Pathology, International Hereditary Cancer Center, Pomeranian Medical University, Szczecin, Poland

Email:debniak@pum.edu.pl