

**Supplementary Table 1 Gene fold change of Pre-LARS compared to healthy controls**

<b>Gene</b>	<b>Fold change</b>	<b>P value</b>	<b>Gene</b>	<b>Fold change</b>	<b>P value</b>
AGT	-5.3	0.233	MAP2K4	-1.3	0.403
AKT1	-1.4	0.178	MAP2K6	1.2	0.416
AKT2	5.5	0.388	MAP3K1	-1.6	0.135
AKT3	-2.4	0.503	MAPK1	-1.3	0.099
ATF1	1.0	0.930	MAPK3	-1.2	0.509
BCL10	-1.1	0.679	MCM5	-1.5	0.143
BCL2	-1.4	0.242	MMP9	2.1	0.272
BCL2L1	-1.2	0.739	MYC	-1.3	0.424
BCL3	1.3	0.434	NFKB1	1.2	0.486
BIRC2	-1.2	0.403	NFKB2	2.1	0.525
BIRC4	1.2	0.527	NFKBIA	-1.4	0.281
BRCA1	-2.1	0.267	NLRP12	1.7	0.596
CASP1	-1.2	0.397	NOD1	-1.4	0.363
CASP8	1.0	0.895	NRAS	1.0	0.992
CCL2	<b>-2.3</b>	0.049	PIAS1	-1.3	0.229
CD4	-1.1	0.944	PIAS2	-1.2	0.441
CD40	-1.6	0.294	PIAS3	2.5	0.394
CFLAR	-1.1	0.701	PIAS4	1.3	0.570
CHUK	1.0	0.902	PIK3CA	1.1	0.720
CREBBP	1.2	0.843	PIK3CB	1.2	0.457
CSF1	1.0	0.984	PIK3CD	1.5	0.719
CSF2	-1.4	0.768	PIK3R1	1.8	0.480
CSF3	12.3	0.135	PIK3R2	6.1	0.358
EDARADD	-1.1	0.754	PPM1A	1.0	0.928
EDG2	-1.1	0.824	PRL	-1.3	0.830
EGF	<b>-2.2</b>	0.025	PRLR	-1.2	0.796
EGFR	1.8	0.302	PSMA3	1.9	0.379
EGR1	-1.2	0.673	PSMB5	1.1	0.701
ELK1	1.8	0.445	PSMC4	1.0	0.882

<b>EP300</b>	-1.4	0.303	<b>PSMC5</b>	-1.3	0.137
<b>EPO</b>	-2.7	0.349	<b>PSMD4</b>	1.0	0.847
<b>EPOR</b>	1.0	0.970	<b>PTPN11</b>	-1.5	0.059
<b>ERBB2</b>	-3.8	0.360	<b>RAF1</b>	1.4	0.174
<b>F2R</b>	2.8	0.347	<b>RAN</b>	-1.1	0.258
<b>FADD</b>	-1.1	0.463	<b>RELV</b>	-13.1	0.363
<b>FASLG</b>	-4.0	0.245	<b>RELA</b>	-1.2	0.596
<b>FGF2</b>	1.0	0.933	<b>RELB</b>	-1.4	0.382
<b>FOS</b>	-2.5	0.139	<b>RHOA</b>	1.0	0.884
<b>GH1</b>	14.0	0.315	<b>RIPK1</b>	-5.8	0.133
<b>GHR</b>	28.7	0.336	<b>SELL</b>	-1.8	0.333
<b>GJA1</b>	1.1	0.835	<b>SELP</b>	-2.1	0.208
<b>GRB2</b>	1.1	0.812	<b>SMAD3</b>	-1.1	0.471
<b>HMOX1</b>	-1.3	0.268	<b>SMAD4</b>	1.6	0.520
<b>HRAS</b>	1.2	0.388	<b>SOCS1</b>	2.2	0.455
<b>HTR2B</b>	-1.2	0.619	<b>SOCS2</b>	-1.6	0.094
<b>ICAM1</b>	1.3	0.662	<b>SOCS3</b>	2.3	0.418
<b>IFNA1</b>	-1.2	0.850	<b>SOS1</b>	-1.2	0.396
<b>IFNA2</b>	-4.1	0.453	<b>SP1</b>	-1.3	0.265
<b>IFNAB</b>	1.1	0.947	<b>SRC</b>	-1.1	0.889
<b>IFNAR1</b>	1.7	0.551	<b>STAM</b>	1.3	0.277
<b>IFNB1</b>	1.4	0.744	<b>STAT1</b>	-1.2	0.808
<b>IFNG</b>	-1.2	0.550	<b>STAT2</b>	-1.6	0.340
<b>IFNGR1</b>	-1.4	0.051	<b>STAT3</b>	1.4	0.489
<b>IGF1R</b>	-1.2	0.445	<b>STAT4</b>	-1.5	0.376
<b>IKBKB</b>	-1.1	0.702	<b>STAT5A</b>	1.6	0.380
<b>IKBKE</b>	2.9	0.326	<b>STAT5B</b>	1.4	0.575
<b>IL10</b>	-1.4	0.776	<b>STAT6</b>	1.4	0.482
<b>IL12A</b>	19.8	0.226	<b>SUMO1</b>	-1.2	0.253
<b>IL12B</b>	-2.0	0.632	<b>TBK1</b>	-1.2	0.279
<b>IL1A</b>	-2.3	0.070	<b>THPO</b>	-1.6	0.663

<b>IL1B</b>	1.1	0.902	<b>TICAM1</b>	1.1	0.679
<b>IL1R1</b>	-1.2	0.504	<b>TICAM2</b>	-1.1	0.762
<b>IL1R2</b>	1.0	0.984	<b>TLR1</b>	-1.3	0.561
<b>IL2RA</b>	7.3	0.355	<b>TLR2</b>	-1.1	0.876
<b>IL4R</b>	1.2	0.486	<b>TLR3</b>	1.1	0.836
<b>IL6</b>	5.3	0.322	<b>TLR4</b>	1.0	0.956
<b>IL8</b>	2.3	0.437	<b>TLR7</b>	1.3	0.788
<b>IRAK2</b>	1.7	0.430	<b>TLR8</b>	1.0	0.971
<b>IRF9</b>	-1.4	0.231	<b>TLR9</b>	-2.1	0.544
<b>JAK1</b>	1.3	0.438	<b>TMED4</b>	-1.2	0.299
<b>JAK2</b>	1.2	0.708	<b>TNF</b>	-1.5	0.504
<b>JAK3</b>	2.2	0.363	<b>TNFAIP3</b>	-1.7	0.226
<b>JUN</b>	1.1	0.844	<b>TNFRSF10</b>	-1.2	0.679
			<b>A</b>		
<b>KIT</b>	1.0	0.931	<b>TNFRSF1A</b>	-1.1	0.903
<b>KRAS</b>	-1.3	0.679	<b>TNFRSF1B</b>	4.1	0.213
<b>LTA</b>	-2.9	0.449	<b>TNFSF10</b>	-1.8	0.588
<b>LTB</b>	-2.7	0.442	<b>TRADD</b>	-1.7	0.411
<b>LTBR</b>	1.2	0.462	<b>TYK2</b>	1.0	0.806
<b>MALT1</b>	-1.1	0.670	<b>VEGFA</b>	1.3	0.377
<b>MAP2K1</b>	-1.1	0.799			

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Supplementary Table 2 Gene fold change of POST-LARS compared to PRE-LARS

Gene	Fold change	<i>P</i> value	Gene	Fold change	<i>P</i> value
AGT	-2.0	0.232	MAP2K4	<b>-2.4</b>	<b>0.008</b>
AKT1	<b>-1.7</b>	<b>0.028</b>	MAP2K6	1.1	0.831
AKT2	-2.9	0.294	MAP3K1	-1.5	0.155
AKT3	-1.9	0.339	MAPK1	1.3	0.078
ATF1	1.2	0.498	MAPK3	-1.3	0.268
BCL10	1.3	0.254	MCM5	-1.8	0.079
BCL2	1.1	0.780	MMP9	-1.3	0.786
BCL2L1	-1.4	0.504	MYC	-1.7	0.096
BCL3	<b>2.7</b>	<b>0.037</b>	NFKB1	1.3	0.327
BIRC2	1.1	0.654	NFKB2	2.9	0.419
BIRC4	1.8	0.129	NFKBIA	-1.4	0.132
BRCA1	1.7	0.349	NLRP12	3.8	0.284
CASP1	1.0	0.855	NOD1	1.1	0.600
CASP8	1.5	0.227	NRAS	1.2	0.329
CCL2	-1.6	0.131	PIAS1	1.3	0.188
CD4	-1.9	0.326	PIAS2	1.0	0.814
CD40	1.3	0.492	PIAS3	-3.0	0.340
CFLAR	1.1	0.769	PIAS4	-2.7	0.152
CHUK	1.2	0.698	PIK3CA	-1.2	0.552
CREBBP	-7.0	0.220	PIK3CB	-1.2	0.593
CSF1	1.2	0.770	PIK3CD	-3.2	0.352
CSF2	3.4	0.398	PIK3R1	-1.7	0.501
CSF3	2.6	0.346	PIK3R2	-14.0	0.308
EDARADD	1.3	0.525	PPM1A	1.1	0.662
EDG2	1.2	0.582	PRL	-4.4	0.296
EGF	<b>1.5</b>	<b>0.052</b>	PRLR	-1.2	0.677
EGFR	-1.4	0.513	PSMA3	-2.1	0.339
EGR1	-1.3	0.514	PSMB5	-1.2	0.322
ELK1	3.7	0.190	PSMC4	1.0	0.745

EP300	-1.9	0.118	PSMC5	1.2	0.197
EPO	-2.0	0.331	PSMD4	-1.1	0.486
EPOR	-6.5	0.296	PTPN11	1.0	0.895
ERBB2	1.6	0.506	RAF1	-1.1	0.680
F2R	3.6	0.264	RAN	1.1	0.242
FADD	1.2	0.407	RELV	18.1	0.328
FASLG	-1.3	0.645	RELA	1.5	0.261
FGF2	<b>-5.4</b>	<b>0.036</b>	RELB	-1.1	0.824
FOS	1.6	0.485	RHOA	-1.1	0.733
GH1	-3.9	0.293	RIPK1	<b>-4.6</b>	<b>0.032</b>
GHR	-1.9	0.322	SELL	1.4	0.449
GJA1	-1.5	0.310	SELP	1.5	0.364
GRB2	-1.4	0.258	SMAD3	1.3	0.028
HMOX1	-1.4	0.142	SMAD4	-2.0	0.381
HRAS	<b>-2.2</b>	<b>0.006</b>	SOCS1	-5.7	0.226
HTR2B	-1.6	0.499	SOCS2	1.3	0.141
ICAM1	2.1	0.357	SOCS3	-7.4	0.198
IFNA1	4.4	0.179	SOS1	<b>1.5</b>	<b>0.025</b>
IFNA2	-3.4	0.284	SP1	1.3	0.069
IFNAB	2.2	0.343	SRC	-2.0	0.354
IFNAR1	-3.4	0.314	STAM	1.2	0.467
IFNB1	-5.8	0.114	STAT1	-2.2	0.300
IFNG	-1.1	0.650	STAT2	2.0	0.181
IFNGR1	1.0	0.762	STAT3	-1.6	0.390
IGF1R	1.0	0.910	STAT4	-1.5	0.405
IKBKB	1.0	0.999	STAT5A	-2.8	0.110
IKBKE	5.2	0.225	STAT5B	-1.9	0.342
IL10	-3.2	0.275	STAT6	-1.4	0.490
IL12A	1.0	0.208	SUMO1	1.2	0.162
IL12B	3.4	0.316	TBK1	-1.4	0.241
IL1A	-1.3	0.516	THPO	-4.4	0.383

IL1B	-2.2	0.129	TICAM1	1.7	0.070
IL1R1	1.0	0.948	TICAM2	1.1	0.703
IL1R2	-2.2	0.421	TLR1	1.0	0.953
IL2RA	-36.0	0.296	TLR2	1.1	0.796
IL4R	-1.2	0.423	TLR3	-2.0	0.276
IL6	-27.3	0.235	TLR4	1.8	0.484
IL8	-9.9	0.179	TLR7	2.7	0.397
IRAK2	1.3	0.699	TLR8	1.1	0.910
IRF9	-1.6	0.118	TLR9	1.4	0.632
JAK1	-1.3	0.365	TMED4	-1.4	0.114
JAK2	-1.1	0.769	TNF	1.4	0.617
JAK3	-10.1	0.092	TNFAIP3	1.1	0.715
JUN	1.6	0.073	TNFRSF10A	1.1	0.774
KIT	-2.0	0.141	TNFRSF1A	<b>-4.0</b>	<b>0.049</b>
KRAS	1.6	0.178	TNFRSF1B	-4.3	0.209
LTA	57.0	0.298	TNFSF10	1.0	0.990
LTB	2.8	0.276	TRADD	1.2	0.513
LTBR	1.1	0.403	TYK2	-1.2	0.131
MALT1	-1.1	0.717	VEGFA	1.1	0.615
MAP2K1	1.0	0.893			

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**Supplementary Table 3 Gene fold change of POST-LARS compared to healthy controls**

Gene	Fold change	P value	Gene	Fold change	P value
AGT	-2.6	0.368	MAP2K4	<b>-3.1</b>	0.005
AKT1	<b>-2.4</b>	0.008	MAP2K6	1.3	0.281
AKT2	-1.3	0.315	MAP3K1	-1.1	0.745
AKT3	-4.6	0.373	MAPK1	1.0	0.944
ATF1	-1.2	0.427	MAPK3	-1.5	0.171
BCL10	-1.4	0.119	MCM5	<b>-2.8</b>	0.003
BCL2	-1.5	0.115	MMP9	2.7	0.405
BCL2L1	1.2	0.743	MYC	<b>-2.2</b>	0.013
BCL3	<b>-2.0</b>	0.028	NFKB1	-1.1	0.614
BIRC2	-1.3	0.095	NFKB2	-1.4	0.420
BIRC4	-1.5	0.078	NFKBIA	1.0	0.843
BRCA1	-1.3	0.676	NLRP12	-2.3	0.424
CASP1	-1.3	0.302	NOD1	-1.5	0.232
CASP8	-1.4	0.232	NRAS	1.2	0.356
CCL2	-1.5	0.261	PIAS1	1.0	0.829
CD4	-3.6	0.335	PIAS2	-1.1	0.565
CD40	-2.0	0.132	PIAS3	-1.2	0.368
CFLAR	-1.2	0.424	PIAS4	<b>-2.0</b>	0.009
CHUK	-1.2	0.227	PIK3CA	1.0	0.859
CREBBP	-5.9	0.100	PIK3CB	1.1	0.728
CSF1	-1.2	0.751	PIK3CD	-2.2	0.429
CSF2	-4.8	0.366	PIK3R1	1.0	0.884
CSF3	4.8	0.259	PIK3R2	<b>-2.3</b>	0.026
EDARADD	-1.4	0.163	PPM1A	-1.1	0.670
EDG2	-1.3	0.359	PRL	-5.5	0.327
EGF	-1.4	0.197	PRLR	-1.4	0.464
EGFR	1.3	0.607	PSMA3	-1.1	0.567
EGR1	1.1	0.808	PSMB5	-1.1	0.652

<b>ELK1</b>	-2.1	0.139	<b>PSMC4</b>	1.0	0.816
<b>EP300</b>	<b>-2.8</b>	0.008	<b>PSMC5</b>	-1.1	0.613
<b>EPO</b>	-5.4	0.223	<b>PSMD4</b>	-1.1	0.397
<b>EPOR</b>	-6.3	0.263	<b>PTPN11</b>	<b>-1.5</b>	0.011
<b>ERBB2</b>	-2.5	0.465	<b>RAF1</b>	<b>1.6</b>	0.012
<b>F2R</b>	-1.3	0.698	<b>RAN</b>	1.0	0.928
<b>FADD</b>	-1.3	0.061	<b>RELV</b>	-2.2	0.327
<b>FASLG</b>	-3.0	0.299	<b>RELA</b>	<b>-1.8</b>	0.015
<b>FGF2</b>	<b>-5.2</b>	0.056	<b>RELB</b>	-1.3	0.479
<b>FOS</b>	-1.5	0.465	<b>RHOA</b>	1.0	0.812
<b>GH1</b>	-2.5	0.484	<b>RIPK1</b>	-1.3	0.722
<b>GHR</b>	-5.1	0.161	<b>SELL</b>	-2.5	0.202
<b>GJA1</b>	1.6	0.084	<b>SELP</b>	-3.1	0.101
<b>GRB2</b>	-1.3	0.336	<b>SMAD3</b>	1.2	0.327
<b>HMOX1</b>	1.1	0.568	<b>SMAD4</b>	-1.3	0.135
<b>HRAS</b>	<b>-1.8</b>	0.005	<b>SOCS1</b>	-2.6	0.373
<b>HTR2B</b>	1.3	0.669	<b>SOCS2</b>	-1.2	0.371
<b>ICAM1</b>	-1.6	0.411	<b>SOCS3</b>	-3.2	0.221
<b>IFNA1</b>	-5.3	0.304	<b>SOS1</b>	1.2	0.265
<b>IFNA2</b>	-1.0	0.356	<b>SP1</b>	1.1	0.708
<b>IFNAB</b>	-2.1	0.487	<b>SRC</b>	-2.2	0.335
<b>IFNAR1</b>	<b>-2.0</b>	0.008	<b>STAM</b>	1.5	0.071
<b>IFNB1</b>	-4.2	0.401	<b>STAT1</b>	-2.5	0.141
<b>IFNG</b>	-1.1	0.786	<b>STAT2</b>	1.3	0.576
<b>IFNGR1</b>	-1.4	0.067	<b>STAT3</b>	-1.1	0.554
<b>IGF1R</b>	-1.3	0.325	<b>STAT4</b>	-2.2	0.098
<b>IKBKB</b>	-1.1	0.582	<b>STAT5A</b>	-1.8	0.071
<b>IKBKE</b>	<b>-1.8</b>	0.029	<b>STAT5B</b>	-1.4	0.336
<b>IL10</b>	-2.0	0.367	<b>STAT6</b>	1.0	0.954
<b>IL12A</b>	-5.7	0.150	<b>SUMO1</b>	1.0	0.818
<b>IL12B</b>	-6.8	0.403	<b>TBK1</b>	1.1	0.605



<b>IL1A</b>	-1.8	0.170	<b>THPO</b>	-7.3	0.251
<b>IL1B</b>	-1.7	0.203	<b>TICAM1</b>	<b>-1.5</b>	0.052
<b>IL1R1</b>	-1.3	0.375	<b>TICAM2</b>	-1.3	0.521
<b>IL1R2</b>	-2.2	0.252	<b>TLR1</b>	-1.3	0.523
<b>IL2RA</b>	-5.0	0.192	<b>TLR2</b>	-1.2	0.749
<b>IL4R</b>	1.0	0.895	<b>TLR3</b>	2.1	0.244
<b>IL6</b>	-1.4	0.355	<b>TLR4</b>	-1.8	0.550
<b>IL8</b>	-4.3	0.311	<b>TLR7</b>	-2.1	0.449
<b>IRAK2</b>	1.3	0.741	<b>TLR8</b>	-1.2	0.881
<b>IRF9</b>	<b>-2.3</b>	0.005	<b>TLR9</b>	-3.1	0.430
<b>JAK1</b>	1.0	0.803	<b>TMED4</b>	1.2	0.338
<b>JAK2</b>	1.0	0.843	<b>TNF</b>	-2.0	0.154
<b>JAK3</b>	-4.6	0.252	<b>TNFAIP3</b>	-1.9	0.124
<b>JUN</b>	<b>1.7</b>	0.018	<b>TNFRSF10A</b>	-1.3	0.367
<b>KIT</b>	-2.0	0.119	<b>TNFRSF1A</b>	-4.3	0.141
<b>KRAS</b>	1.3	0.648	<b>TNFRSF1B</b>	-1.1	0.949
<b>LTA</b>	-1.8	0.234	<b>TNFSF10</b>	-1.8	0.614
<b>LTB</b>	-7.4	0.281	<b>TRADD</b>	-2.0	0.325
<b>LTBR</b>	1.0	0.960	<b>TYK2</b>	-1.3	0.242
<b>MALT1</b>	1.0	0.985	<b>VEGFA</b>	1.4	0.077
<b>MAP2K1</b>	-1.1	0.711			

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**Supplementary Table 4 Protein levels of cytokine panel**

		Mean (pg/mL)	STD	Median	Variance
<b>CCL26</b>	POST-LARS	8.2	4.4	<b>6.5*</b>	<b>18.5</b>
	PRE-LARS	6.2	6.5	3.9	39.8
	HC	4.2	1.8	4.5	3.4
<b>IL-4</b>	POST-LARS	3.2	1.5	<b>2.6*</b>	<b>2.2</b>
	PRE-LARS	2.3	1.5	2.4	2
	HC	1.8	0.7	1.8	0.5
<b>CCL24</b>	POST-LARS	<b>28.1*<sup>∞</sup></b>	<b>22</b>	21.8	461
	PRE-LARS	14.9	9.8	12.9	91.5
	HC	13.4	13.7	9.8	188
<b>IL-10</b>	POST-LARS	<b>13.1*<sup>∞</sup></b>	<b>6.9</b>	11.8	45.4
	PRE-LARS	9.7	10.5	5.4	103.7
	HC	7.4	3.7	6.7	13.5
<b>CCL8</b>	POST-LARS	<b>7.9*<sup>∞</sup></b>	<b>3.7</b>	7.6	13.3
	PRE-LARS	5.2	4.4	3.9	18.6
	HC	4.1	3	3.3	9.2
<b>CCL7</b>	POST-LARS	<b>24.5*<sup>∞</sup></b>	<b>6.3</b>	22.4	37.9
	PRE-LARS	13.2	6.9	10	45.9
	HC	13.5	6.4	12	41.5
<b>CCL13</b>	POST-LARS	<b>8.3*</b>	<b>7.5</b>	6.6	53.1
	PRE-LARS	6.3	6.2	5.9	36.9
	HC	4.2	2.4	3.5	5.7
<b>CCL17</b>	POST-LARS	<b>0.7*</b>	<b>0.4</b>	0.8	0.1
	PRE-LARS	0.7	0.5	<b>0.5~</b>	<b>0.2</b>
	HC	0.4	0.3	0.3	0.1
<b>CCL1</b>	POST-LARS	<b>1.4*<sup>∞</sup></b>	<b>0.5</b>	1.3	0.2
	PRE-LARS	0.9	0.6	0.7	0.4
	HC	0.7	0.3	0.7	0.1
<b>CXCL2</b>	POST-LARS	<b>20.8*<sup>∞</sup></b>	<b>12.8</b>	16.5	155.3

	PRE-LARS	11.6	6.9	9.9	45.6
	HC	11.8	5.5	10.7	30.2
<b>IFNG</b>	POST-LARS	<b>11.7*<sup>∞</sup></b>	<b>5</b>	10.5	24.2
	PRE-LARS	6.5	4.5	4	19.5
	HC	5.8	2.4	5.7	5.9
<b>IL1B</b>	POST-LARS	<b>11.4*<sup>∞</sup></b>	<b>4.6</b>	11.3	20.1
	PRE-LARS	7.3	6.4	4.3	38.6
	HC	5.6	2.5	5.1	6.1
<b>CCL21</b>	POST-LARS	66.8	75.5	46.5	5442.8
	PRE-LARS	123	142.1	<b>81.4<sup>~</sup></b>	<b>19274.4</b>
	HC	48.9	67.7	22.4	4588.6
<b>CCL27</b>	POST-LARS	<b>8.5<sup>∞</sup></b>	<b>5.4</b>	<b>6.8*</b>	<b>27.5</b>
	PRE-LARS	4.4	4.6	2.1	20.5
	HC	3.5	2.1	3.2	4.5
<b>CCL11</b>	POST-LARS	9	3.2	<b>8.4*</b>	<b>9.6</b>
	PRE-LARS	6.7	5.7	4.8	30.6
	HC	4.7	2.3	4.2	5.5
<b>MIF</b>	POST-LARS	<b>167465.0*<sup>∞</sup></b>	<b>61928.5</b>	160339	10678025563
	PRE-LARS	95257.5	61594.5	63357.2	3621428723
	HC	89235.6	51629.5	82917.8	2665601928
<b>CCL20</b>	POST-LARS	<b>13.4*</b>	<b>17.1</b>	8	278.8
	PRE-LARS	9.4	12.3	4.7	144.3
	HC	5.5	4.8	3.1	22.8
<b>CCL19</b>	POST-LARS	<b>62.2*</b>	<b>33.1</b>	56.2	1048.1
	PRE-LARS	52.9	77.1	29.5	5620.6
	HC	31.8	23.3	23.4	544.5
<b>CCL23</b>	POST-LARS	<b>14.0*</b>	<b>11.6</b>	10.7	128.5
	PRE-LARS	10.8	10.6	8.9	107.5
	HC	7.8	4.9	7.7	24.1
<b>CXCL12</b>	POST-LARS	76.2	71.8	<b>52.8*</b>	<b>4912</b>
	PRE-LARS	83.2	147.1	48.6	20568.1

	HC	40.4	20.2	33.8	408.6
<b>CCL25</b>	POST-LARS	<b>629.7*<sup>∞</sup></b>	<b>104</b>	631.9	10318.7
	PRE-LARS	391.2	170	315	27576.1
	HC	365.7	121	379.7	14629.2

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(\*~ vs. HC ∞ vs. Pre-LARS, p<0.05)

**Supplementary Table 5 The protein levels of pre-post LARS by subgroups**

		<b>Mean</b>	<b>Std. deviation</b>
ERD A/B (N = 10)			
CTACK/CCL27	POST-LARS	6.66	3.61
	PRE-LARS	3.37	3.17
EOTAXIN/CCL11	POST-LARS	8.96	2.50
	PRE-LARS	5.03	3.22
MCP3/CCL7	POST-LARS	25.70	4.73
	PRE-LARS	12.09	7.41
MCP4/CCL13	POST-LARS	7.11	1.82
	PRE-LARS	4.20	2.67
MIF	POST-LARS	172432.54	44468.57
	PRE-LARS	91243.07	77383.50
TECK/CCL25	POST-LARS	668.29	109.29
	PRE-LARS	363.14	180.42
ERD C/D (N = 6)			
ITAC/CXCL11	POST-LARS	5.40	3.18
	PRE-LARS	3.31	2.08
NERD (N = 6)			
NFKappaB	POST-LARS	10.75	0.99
	PRE-LARS	7.50	1.22
BCA1/CXCL13	POST-LARS	0.25	0.08
	PRE-LARS	0.53	0.33
CTACK/CCL27	POST-LARS	6.85	1.43
	PRE-LARS	2.42	2.32
EOTAXIN2/CCL24	POST-LARS	33.61	15.80
	PRE-LARS	11.82	8.05
GRO-b/CXCL2	POST-LARS	18.02	6.42
	PRE-LARS	7.80	4.17
I309/CCL1	POST-LARS	1.33	0.30
	PRE-LARS	0.55	0.22

IFN-g	POST-LARS	10.10	3.22
	PRE-LARS	4.42	2.46
IL1-b	POST-LARS	10.26	2.18
	PRE-LARS	4.27	2.84
IL10	POST-LARS	9.45	3.41
	PRE-LARS	4.11	2.05
MCP2/CCL8	POST-LARS	8.25	4.17
	PRE-LARS	3.57	3.51
MCP3/CCL7	POST-LARS	22.33	3.78
	PRE-LARS	9.93	4.07
MIF	POST-LARS	166120.67	60248.83
	PRE-LARS	59412.91	13380.21
MIP1d/CCL15	POST-LARS	12.75	5.20
	PRE-LARS	3.72	4.08
MIP3-b/CCL19	POST-LARS	49.95	25.43
	PRE-LARS	18.89	20.41
SCYB16/CXCL	POST-LARS	14.62	8.65
	PRE-LARS	6.70	6.24
TECK/CCL25	POST-LARS	609.64	94.98
	PRE-LARS	300.82	92.95
TNFa	POST-LARS	10.82	3.61
	PRE-LARS	4.83	3.01

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The significant differences have been given only ( $P < 0.05$ ).