

**Supplementary Table 14 Gene ontology enrichment analysis of integrated gene expression and DNA methylation in low-grade NF1-glioma.**

GO Term	originalGeneSetSize	actualGeneSetSize	Genes	Fold Enrichment	p-value	q-value
LEUKOCYTE ACTIVATION	57	6	CD48, LYN, STX	5.88430	3.20E-03	4.71E+00
CELL ACTIVATION	57	6	CD48, LYN, STX	4.96167	6.56E-03	9.45E+00
IMMUNE RESPONSE	57	9	CORO1A, MYD	3.09565	7.14E-03	1.03E+01
CELL ACTIVATION DURING IMMUNE RESPONSE	57	3	LYN, STXBP2, L	19.77778	9.69E-03	1.37E+01
LEUKOCYTE ACTIVATION DURING IMMUNE RESPONSE	57	3	LYN, STXBP2, L	19.77778	9.69E-03	1.37E+01
PHAGOCYtic CUP	43	2	CORO1A, LCP1	198.17054	9.83E-03	1.11E+01
ACTIN CYTOSKELETON	43	5	ARPC1B, CORO	5.52520	1.15E-02	1.29E+01
DEFENSE RESPONSE	57	8	CD48, CORO1A	3.08726	1.30E-02	1.79E+01
GTPASE ACTIVATOR ACTIVITY	56	5	ARHGAP30, HM	5.26907	1.39E-02	1.57E+01
MYELOID LEUKOCYTE ACTIVATION	57	3	CD48, LYN, STX	15.47826	1.55E-02	2.10E+01
CYTOKINE PRODUCTION	57	3	MYD88, LYN, N	15.47826	1.55E-02	2.10E+01
IMMUNE EFFECTOR PROCESS	57	4	MYD88, LYN, S	7.08458	1.80E-02	2.39E+01
SH3/SH2 ADAPTOR ACTIVITY	56	3	SH2D2A, SKAP2	14.19424	1.82E-02	2.00E+01
REGULATION OF INTRACELLULAR PROTEIN TRANSPORT	57	3	NLRP3, UHMK1	13.43396	2.03E-02	2.66E+01
CYTOKINE SECRETION	57	2	LYN, NLRP3	67.80952	2.86E-02	3.55E+01
MAST CELL ACTIVATION	57	2	CD48, LYN	59.33333	3.26E-02	3.94E+01
MOLECULAR ADAPTOR ACTIVITY	56	3	SH2D2A, SKAP2	10.38086	3.27E-02	3.32E+01
REGULATION OF INTRACELLULAR TRANSPORT	57	3	NLRP3, UHMK1	10.02817	3.49E-02	4.14E+01
INFLAMMATORY RESPONSE	57	5	MYD88, LYN, G	3.65128	4.53E-02	5.03E+01
LEUKOCYTE DEGRANULATION	57	2	LYN, STXBP2	39.55556	4.86E-02	5.28E+01
LYMPHOCYTE ACTIVATION	57	4	CD48, SKAP2, L	4.77052	4.92E-02	5.33E+01
LEUKOCYTE MEDIATED IMMUNITY	57	3	MYD88, LYN, S	8.27907	4.93E-02	5.34E+01