

**Supplementary Table 3. List of up-regulated genes in the remission group of the paired samples.**

Gene symbol	Raw p value	R/A fc <sup>a</sup>	Description
DEFA4	5.02E-06	3.67	Defensin, alpha 4, corticostatin
PRTN3	1.54E-02	3.57	Proteinase 3
AZU1	2.20E-02	3.56	Azurocidin 1
ELANE	9.67E-03	3.55	Elastase, neutrophil expressed
LTF	1.66E-02	3.44	Lactotransferrin
CAMP	3.24E-02	3.38	Cathelicidin antimicrobial peptide
CTSG	2.63E-02	3.29	Cathepsin G
OLFM4	1.07E-02	3.20	Olfactomedin 4
CEACAM8	1.94E-02	3.18	Carcinoembryonic antigen-related cell adhesion molecule 8
LCN2	9.30E-03	3.18	Lipocalin 2
CEACAM6	3.12E-02	3.00	Carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen)
RNASE3	5.04E-03	3.00	Ribonuclease, RNase A family, 3
PGLYRP1	1.77E-02	2.98	Peptidoglycan recognition protein 1
TPGS1	3.63E-02	2.84	Tubulin polyglutamylase complex subunit 1
S100P	3.45E-02	2.73	S100 calcium binding protein P
SLPI	3.69E-02	2.56	Secretory leukocyte peptidase inhibitor
NDUFS1	2.88E-02	2.34	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)
PRPF38A	2.16E-02	2.04	Pre-mRNA processing factor 38A

<sup>a</sup>Fold change ratio of expression level in the remission group to the active group