

Supplementary Table E1: Description of olfactory cleft mucus proteins for entire cohort (n=198)

	All Case and Control Subjects (n=198)						
	Sample N	Protein Concentration Mean \pm SD	Protein Concentration Median [IQR]	Protein Concentration Range	Detectable N (%)	Above Detectable Limit N (%)	Below Detectable Limits N (%)
CCL2	198	1933.5 \pm 2610.8	1155.5 [1449.2]	193.7 – 21950.6	198 (100%)	----	----
CCL3	198	179.3 \pm 737.2	25.1 [97.8]	2.2 – 7313.7	188 (94.9%)	---	10 (5.1%)
CCL5	198	271.5 \pm 1782.1	22.7 [59.9]	4.9 – 23304.4	119 (60.1%)	1 (0.5%)	78 (39.4%)
CCL11	198	549.0 \pm 488.7	427.7 [482.4]	13.0 – 3010.8	197 (99.5%)	----	1 (0.5%)
CCL20	198	1757.3 \pm 4463.3	321.7 [1001.5]	13.5 – 29066.1	184 (92.9%)	4 (2.0%)	10 (5.1%)
CXCL1	198	7128.2 \pm 4339.6	5427.3 [5126.3]	1751.3 – 22069.1	192 (97.0%)	6 (3.0%)	----
CXCL5	198	3663.4 \pm 4457.0	1998.0 [3655.8]	65.0 – 24912.1	187 (94.4%)	11 (5.6%)	----
CXCL9	198	2881.1 \pm 3564.6	1493.1 [3002.1]	9.1 – 16371.7	197 (99.5%)	----	1 (0.5%)
CXCL11	198	435.4 \pm 2241.2	67.5 [161.7]	2.2 – 30507.5	175 (88.4%)	1 (0.5%)	22 (11.1%)
EGF	198	821.5 \pm 740.1	564.2 [702.9]	78.6 – 5146.5	198 (100%)	----	----
bFGF	198	1683.2 \pm 3598.8	426.8 [1350.3]	27.4 – 25410.1	198 (100%)	----	----
IgE	198	697.7 \pm 1857.0	135.5 [362.8]	0.0 – 13267.2	186 (93.9%)	----	12 (6.1%)
IL2	198	21.1 \pm 52.7	8.0 [10.0]	1.3 – 410.2	77 (38.9%)	----	121 (61.1%)
IL4	198	8.9 \pm 13.6	5.8 [4.7]	1.6 – 102.8	131 (66.2%)	----	67 (33.8%)
IL5	198	609.8 \pm 2020.1	16.7 [458.8]	2.3 – 22197.8	183 (92.4%)	----	15 (7.6%)
IL6	198	517.4 \pm 1331.4	128.4 [427.1]	2.7 – 15311.2	198 (100%)	----	----
IL8	198	13812.3 \pm 7152.2	12374.0 [10548.9]	1392.1 – 39933.2	198 (100%)	----	----
IL9	198	27.9 \pm 68.8	6.0 [16.0]	1.0 – 764.7	149 (75.3%)	----	49 (24.7%)
IL10	198	18.5 \pm 149.3	2.7 [4.9]	1.0 – 2059.4	139 (70.2%)	----	59 (29.8%)
IL13	198	134.5 \pm 341.6	28.3 [66.9]	1.6 – 2814.0	160 (80.8%)	----	38 (19.2%)
IL17A	198	21.9 \pm 134.6	3.9 [11.1]	0.5 – 1857.0	116 (58.6%)	----	82 (41.4%)
IL17F	198	17.9 \pm 49.7	4.8 [6.1]	1.3 – 551.1	127 (64.1%)	----	71 (35.9%)
IL23	198	9.6 \pm 17.0	5.7 [7.5]	0.8 – 182.2	190 (96.0%)	----	8 (4.0%)
IL33	198	3549.4 \pm 13804.7	1005.3 [1960.6]	14.3 – 14051.1	195 (98.5%)	2 (1.0%)	1 (0.5%)
TNFα	198	38.7 \pm 267.5	4.0 [10.6]	1.0 – 3703.5	159 (80.3%)	----	39 (19.7%)
VEGF-A	198	4230.2 \pm 1398.2	4069.8 [1548.4]	705.2 – 10730.2	198 (100%)	----	----

LEGEND: All reported protein concentrations are expressed in picograms per milliliter (pg./mL). SD, standard deviation; IQR, interquartile range; N, sample size; CCL, chemokine (C-C motif) ligand; CXCL, C-X-X motif chemokine; EGF, epidermal growth factor; bFGF, basic fibroblast growth factor; IgE, immunoglobulin E; IL, interleukin; TNF α , tumor necrosis factor alpha; VEGF-A, vascular endothelial growth factor-A.