

Supplementary table 1. Differentially expressed genes in ZD vs ZS esophagus obtained by comparing profile of ZD esophagus at tumor endpoint vs profile at 6 wks of ZD diet (without NMBA) (Dataset 3a), and profile of ZS esophagus at tumor endpoint vs profile at 6 wks of ZS diet (without NMBA) (Dataset 3b) (cutoff point: $P < 0.05$ and fold difference ≥ 4.0). Inflammation genes from Table 1 are highlighted in yellow.

The following 171 genes are upregulated ONLY in the ZD esophagus

[1]	Cxcl6	Il17f	Slc6a14	Cxcl2	Ly6b	Lcn2
[7]	Il1b	Ptgs2	C3	Slfn3	Tcrb	Ly6c
[13]	Cfb	Lilrb4	Ear11	Rgs1	Trat1	Klk6
[19]	Cxcl1	Krt17	Plscr1	Aif1	Ms4a7	Igsf6
[25]	Car2	Apobec1	Ptprc	Pla2g2a	Rgd1562855	Lcp1
[31]	Sla	Cfi	Psmb9	Ptgs2	Icos	Cd69
[37]	GOS2	Sstr2	Ifitm1	Cd3d	Csf3r	Lat
[43]	Cxcr4	Plek	Rt1-dbl	Ltb	Alpl	Prss22
[49]	Snx10	Lck	Nat81	Lgals3bp	Aldh1a3	Ccr1
[55]	Pkib	Clec7a	Gbp2	Fmo5	Siglec5	Igg-2a
[61]	P2ry10	Ccr5	Rhoh	Loc687856	Ccr6	Psmb8
[67]	C4b	Runx1	Ggt1	Plac8	Rac2	Itgal
[73]	Arhgap9	Il18r1	Cd3e	Cybb	Ptpro	Rgd1562622
[79]	Prex1	Tnfrsf14	Cebpd	Ptprcap	Irf1	Clec4a3
[85]	Hcst	Slc5a5	Kcnh1	Sod2	Ms4a11	Pde4b
[91]	Il22ra2	Hal	Mgc108823	Igtp	Sele	Il7r
[97]	Fcer1g	Gpsm3	Sit1	S100a4	Batf	Vwal
[103]	Hck	Tyrobp	Plxnc1	Igj	Cd2	Clec9a
[109]	Pon3	Prss27	H2-ea	Tlr2	Ccr2	Lpxn
[115]	Evi2a	Lyz2	Srgn	Serping1	Bst1	Elavl2
[121]	Ifitm3	Cd37	Ptpn22	Tnfaip2	Ddah1	Gzmb
[127]	Cd96	Myo1g	Tm6Sf1	Cyba	Nfkb1	Satb1
[133]	Runx1t1	Plaur	Tubb2b	Ceacam1	Serpina3n	Cpxm1
[139]	Ctse	Gimap4	Laptm5	Dapp1	Fam26f	Hla-dmb
[145]	Lcp2	Napsa	Loc685020	Klrld1	Cd74	Clqa
[151]	Mgc112715	Chst5	Slamf9	Rgd1308221	Il2rb	Ctsz
[157]	Glpr1	Sh3bp2	Alox5ap	Fgr	Itgb2	Ppp1r3b
[163]	Cfd	Lpl	Tgm5	Socs1	Ubd	Mpeg1
[169]	Emr1	Ppp1R3d	Vcam1			

The following 62 genes are upregulated ONLY in the ZS esophagus

[1]	Mcpt1	Mcpt10	Gja1	Krtap141	Actr3	Rgd1565095
[7]	App	Stfa213	Il1a	Scd	Mal2	Ppp3r1
[13]	Mcpt9	Tm9Sf3	Pfn2	Ppp2r1a	Hdac1	Ttc39b
[19]	Bspry	Cast	Tmprss11d	Ccl2	Max	Bst2
[25]	Fcer1a	Xiap	Aamp	Atpla1	Il13ra1	Scamp2
[31]	Rgd1563441	Osbp12	Cited4	Ifngr2	Krt5	Akirin2
[37]	Ssr3	Stx6	Sptlcl	Il1rn	Eif4h	Rgd1559871
[43]	Slc30a1	Rad23b	Slc9a3r1	Mbnl2	Chp	Rap2b
[49]	Slc5a1	Rgd1565496	Osbp11a	Tmem86a	Gmps	Vapb
[55]	Efhd2	Tiparp	Mat2a	Por	Elov15	Loc679612
[61]	Cpm	Tnfsf13				

The following 23 genes are upregulated in BOTH ZD and ZS esophagus

[1]	S100a9	Ceacam10	Uox	Lpo	Rgd1311300	Lgi2
[7]	Loc683295	Ccb11	Chi3L1	Cd3g	Cst7	Cd53
[13]	Bcl2a1d	Rgd1566254	Spn	Coro1a	Mcpt2	Il2rg
[19]	Zc3h12a	Rt1-ba	S100a8	Gch1	Ccl17	

The following 51 genes are downregulated ONLY in the ZD esophagus

[1]	Rgd1562234	Rgd1559748	Slurp1	Loc687873	Loc685652	Tmigd1
[7]	Dapl1	Mboat2	Asah2	Ivl	Apeg3	Prss35
[13]	Rgd1562107	Gpha2	Hsd17b2	Egf	Aldh1a1	Tmem45a
[19]	Arg1	Ttc30b	Akr1c18	Gdpd2	Acer1	Grxcr1
[25]	Atf3	Wnk4	Rgd1308195	Per2	Cyp26b1	Yc2
[31]	Sftpc	Rbp7	Maff	Hells	Ugt8	Abat
[37]	Zrsr1	Cyp2j4	Ifit2	Tlcd1	Loc689678	Krt23
[43]	Rgd1310693	Gadd45b	Pparg	Akr7a3	Ttpa	Rgd1564833
[49]	Lgi3	Ggh	Lynx1			

The following 9 genes are downregulated ONLY in the ZS esophagus

[1]	Cdt1	Mcm6	Zfp451	Dscc1	Pole2	Mcm2
[7]	Loc367994	Orc11	Nr2f2			