

List of upstream regulators and their targets in differentially expressed genes at 9 months after infection

Upstream Regulator	Ref Change	Molecule Type	Product/Activation State	Adjustment z-score	Log10 (p-value)	Target (molecule & target)
ACE2	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE2:ACE2
ACE3	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE3:ACE3
ACE4	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE4:ACE4
ACE5	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE5:ACE5
ACE6	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE6:ACE6
ACE7	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE7:ACE7
ACE8	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE8:ACE8
ACE9	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE9:ACE9
ACE10	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE10:ACE10
ACE11	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE11:ACE11
ACE12	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE12:ACE12
ACE13	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE13:ACE13
ACE14	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE14:ACE14
ACE15	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE15:ACE15
ACE16	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE16:ACE16
ACE17	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE17:ACE17
ACE18	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE18:ACE18
ACE19	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE19:ACE19
ACE20	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE20:ACE20
ACE21	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE21:ACE21
ACE22	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE22:ACE22
ACE23	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE23:ACE23
ACE24	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE24:ACE24
ACE25	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE25:ACE25
ACE26	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE26:ACE26
ACE27	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE27:ACE27
ACE28	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE28:ACE28
ACE29	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE29:ACE29
ACE30	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE30:ACE30
ACE31	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE31:ACE31
ACE32	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE32:ACE32
ACE33	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE33:ACE33
ACE34	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE34:ACE34
ACE35	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE35:ACE35
ACE36	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE36:ACE36
ACE37	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE37:ACE37
ACE38	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE38:ACE38
ACE39	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE39:ACE39
ACE40	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE40:ACE40
ACE41	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE41:ACE41
ACE42	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE42:ACE42
ACE43	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE43:ACE43
ACE44	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE44:ACE44
ACE45	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE45:ACE45
ACE46	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE46:ACE46
ACE47	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE47:ACE47
ACE48	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE48:ACE48
ACE49	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE49:ACE49
ACE50	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE50:ACE50
ACE51	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE51:ACE51
ACE52	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE52:ACE52
ACE53	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE53:ACE53
ACE54	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE54:ACE54
ACE55	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE55:ACE55
ACE56	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE56:ACE56
ACE57	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE57:ACE57
ACE58	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE58:ACE58
ACE59	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE59:ACE59
ACE60	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE60:ACE60
ACE61	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE61:ACE61
ACE62	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE62:ACE62
ACE63	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE63:ACE63
ACE64	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE64:ACE64
ACE65	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE65:ACE65
ACE66	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE66:ACE66
ACE67	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE67:ACE67
ACE68	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE68:ACE68
ACE69	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE69:ACE69
ACE70	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE70:ACE70
ACE71	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE71:ACE71
ACE72	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE72:ACE72
ACE73	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE73:ACE73
ACE74	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE74:ACE74
ACE75	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE75:ACE75
ACE76	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE76:ACE76
ACE77	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE77:ACE77
ACE78	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE78:ACE78
ACE79	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE79:ACE79
ACE80	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE80:ACE80
ACE81	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE81:ACE81
ACE82	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE82:ACE82
ACE83	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE83:ACE83
ACE84	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE84:ACE84
ACE85	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE85:ACE85
ACE86	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE86:ACE86
ACE87	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE87:ACE87
ACE88	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE88:ACE88
ACE89	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE89:ACE89
ACE90	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE90:ACE90
ACE91	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE91:ACE91
ACE92	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE92:ACE92
ACE93	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE93:ACE93
ACE94	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE94:ACE94
ACE95	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE95:ACE95
ACE96	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE96:ACE96
ACE97	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE97:ACE97
ACE98	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE98:ACE98
ACE99	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE99:ACE99
ACE100	1.127	enzyme	Chemical entity	1.127	1.95E-01	ACE100:ACE100

