

Integrative genomic expression analysis reveals stable differences between lung cancer and systemic sclerosis

Heng Li^{1,2}, Liping Ding¹, Xiaoping Hong¹, Yulan Chen¹, Rui Liao¹, Tingting Wang^{1,2}, Shuhui Meng¹, Zhenyou Jiang^{3,*}, Dongzhou Liu^{1,*}

¹Department of Rheumatology and Immunology, Shenzhen People's Hospital, The Second Clinical Medical College of Jinan University, Shenzhen 518020, China

²Integrated Chinese and Western Medicine Postdoctoral research station, Jinan University, Guangzhou 510632, China

³Department of Microbiology and Immunology, School of Medicine, Jinan University, Guangzhou, China

*Correspondence: liu_dz2001@sina.com (Dongzhou Liu) and tjzhy@jnu.edu.cn (Zhenyou Jiang)

Table S1 Data of 61 patients with systemic sclerosis, 70 patients with lung cancer and 224 normal healthy individuals. Underlined accessions are removed by principal component analysis.

Group	Accession	Platform
I	GSM556413, GSM556414, GSM556415, <u>GSM556416</u> , <u>GSM556417</u> , GSM556418, GSM556419, GPL570 SSc	
	GSM556420, GSM556421, GSM556422, <u>GSM556423</u> , GSM556424, GSM556425, GSM556426, (n=20) GSM556427, GSM556428, <u>GSM556429</u> , GSM556430, <u>GSM556431</u> , <u>GSM556432</u>	
II	Normal GSM556441, GSM556442, GSM556443, GSM556444, GSM556445, GSM556446, GSM556447, GPL570 (n=10) GSM556448, GSM556449, <u>GSM556450</u>	
	GSM827736, GSM827737, GSM827738, <u>GSM827739</u> , GSM827740, GSM827741, GSM827742, GPL6947 GSM827743, GSM827744, GSM827745, GSM827746, GSM827747, GSM827748, GSM827749, GSM827750, GSM827751, GSM827752, GSM827753, GSM827754, GSM827755, GSM827756, GSM827757, GSM827758, GSM827759, <u>GSM827760</u> , GSM827761, GSM827762, GSM827763, SSc GSM827764, GSM827765, GSM827766, GSM827767, GSM827768, GSM827769, GSM827770, (n=69) GSM827771, GSM827772, GSM827773, GSM827774, GSM827775, GSM827776, GSM827777, GSM827778, GSM827779, GSM827780, GSM827781, GSM827782, <u>GSM827783</u> , <u>GSM827784</u> , <u>GSM827785</u> , GSM827786, GSM827787, GSM827788, GSM827789, GSM827790, GSM827791, GSM827792, GSM827793, GSM827794, GSM827795, GSM827796, GSM827797, GSM827798, GSM827799, GSM82800, GSM82801, GSM82802, <u>GSM82803</u> , GSM82804	
	Normal GSM827665, GSM827666, GSM827667, GSM827668, GSM827669, GSM827670, GSM827671, GPL6947 (n=41) GSM827672, GSM827673, GSM827674, GSM827675, GSM827676, GSM827677, GSM827678,	

GSM827679, GSM827680, GSM827681, GSM827682, GSM827683, GSM827684, GSM827685,
GSM827686, GSM827687, GSM827688, GSM827689, GSM827690, GSM827691, GSM827692,
GSM827693, GSM827694, GSM827695, GSM827696, GSM827697, GSM827698, GSM827699,
GSM827700, GSM827701, GSM827702, GSM827703, GSM827704, GSM827705

GSM1050776, GSM1050795, GSM1050811, GSM1050814, GSM1050817, GSM1050818, GPL10558
LC
GSM1050840, GSM1050855, GSM1050929, GSM1050936, GSM1050958, GSM1050961,
(n=16)
GSM1050967, GSM1050980, GSM1050993, GSM1051018

GSM1050741, GSM1050742, GSM1050743, GSM1050744, GSM1050745, GSM1050746, GPL10558
GSM1050747, GSM1050749, GSM1050750, GSM1050751, GSM1050752, GSM1050753,
GSM1050755, GSM1050756, GSM1050757, GSM1050764, GSM1050765, GSM1050768,
GSM1050769, GSM1050770, GSM1050771, GSM1050772, GSM1050773, GSM1050781,
GSM1050782, GSM1050785, GSM1050786, GSM1050787, GSM1050788, GSM1050794,
GSM1050796, GSM1050799, GSM1050800, GSM1050803, GSM1050804, GSM1050805,
III
GSM1050806, GSM1050808, GSM1050809, GSM1050810, GSM1050812, GSM1050815,
Normal
GSM1050819, GSM1050820, GSM1050821, GSM1050823, GSM1050824, GSM1050825,
(n=113)
GSM1050827, GSM1050828, GSM1050829, GSM1050831, GSM1050832, GSM1050833,
GSM1050835, GSM1050837, GSM1050838, GSM1050839, GSM1050841, GSM1050842,
GSM1050844, GSM1050846, GSM1050847, GSM1050849, GSM1050850, GSM1050851,
GSM1050852, GSM1050853, GSM1050854, GSM1050856, GSM1050858, GSM1050859,
GSM1050860, GSM1050861, GSM1050862, GSM1050928, GSM1050932, GSM1050935,
GSM1050937, GSM1050938, GSM1050939, GSM1050940, GSM1050941, GSM1050947,
GSM1050954, GSM1050956, GSM1050957, GSM1050959, GSM1050962, GSM1050964,

GSM1050968, GSM1050972, GSM1050978, GSM1050981, GSM1050984, GSM1050987,

GSM1050989, GSM1050991, GSM1050992, GSM1050995, GSM1050997, GSM1050998,

GSM1050999, GSM1051000, GSM1051004, GSM1051010, GSM1051011, GSM1051012,

GSM1051013, GSM1051015, GSM1051016, GSM1051017, GSM1051020

GSM320318, GSM320319, GSM320320, GSM320321, GSM320322, GSM320323, GSM320324, GPL6102

GSM320325, GSM320326, GSM320327, GSM320328, GSM320329, GSM320330, GSM320331,

GSM320332, GSM320333, GSM320334, GSM320335, GSM320336, GSM320337, GSM320338,

LC GSM320339, GSM320340, GSM320341, GSM320342, GSM320343, GSM320344, GSM320345,

(n=54) GSM320346, GSM320347, GSM320348, GSM320349, GSM320350, GSM320351, GSM320352,

GSM320353, GSM320354, GSM320355, GSM320356, GSM320357, GSM320358, GSM320359,

IV GSM320387, GSM320388, GSM320389, GSM320390, GSM320391, GSM320393, GSM320394,

GSM320396, GSM320397, GSM320398, GSM320400, GSM320401

GSM320361, GSM320362, GSM320363, GSM320365, GSM320366, GSM320367, GSM320369, GPL6102

GSM320370, GSM320371, GSM320372, GSM320373, GSM320375, GSM320376, GSM320377,

Normal

GSM320379, GSM320380, GSM320382, GSM320383, GSM320385, GSM320404, GSM320405,

(n=32)

GSM320407, GSM320408, GSM320410, GSM320411, GSM320413, GSM320415, GSM320416,

GSM320417, GSM320418, GSM320419, GSM320420

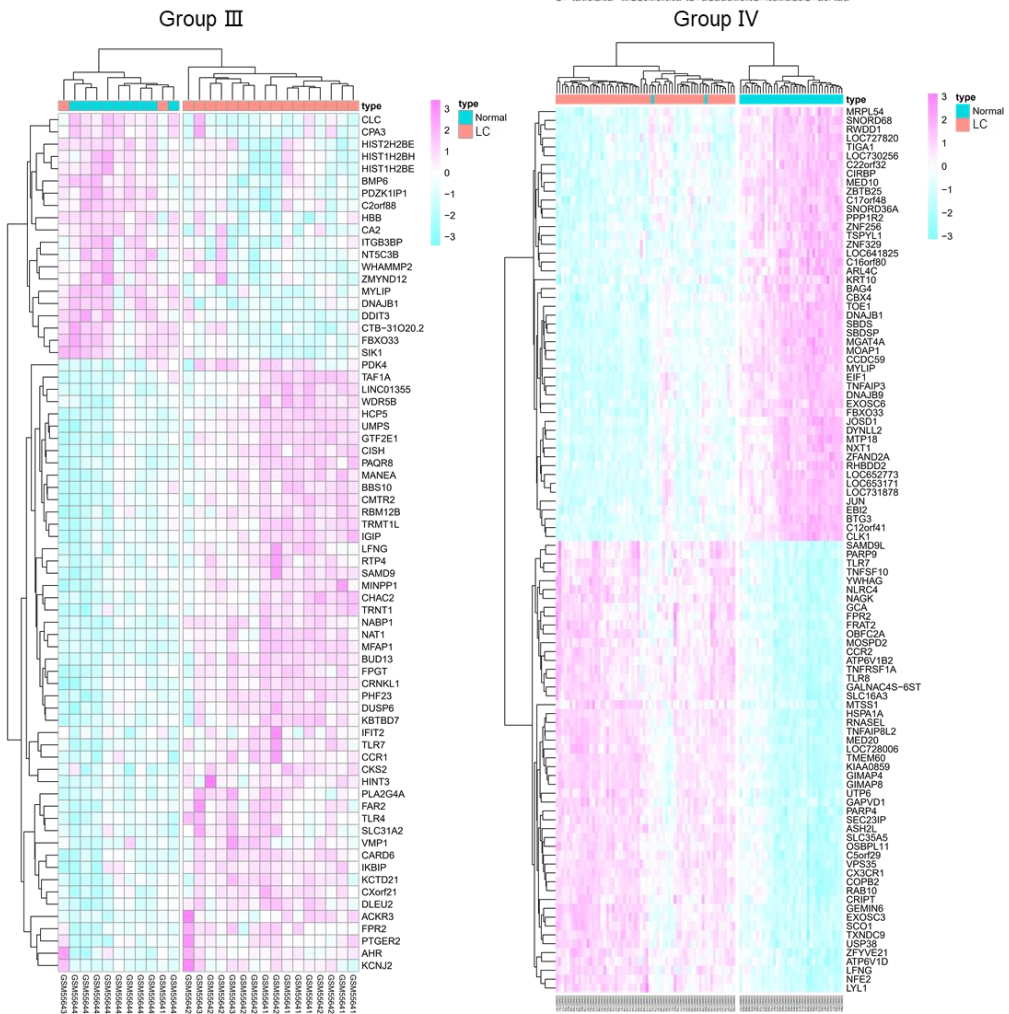
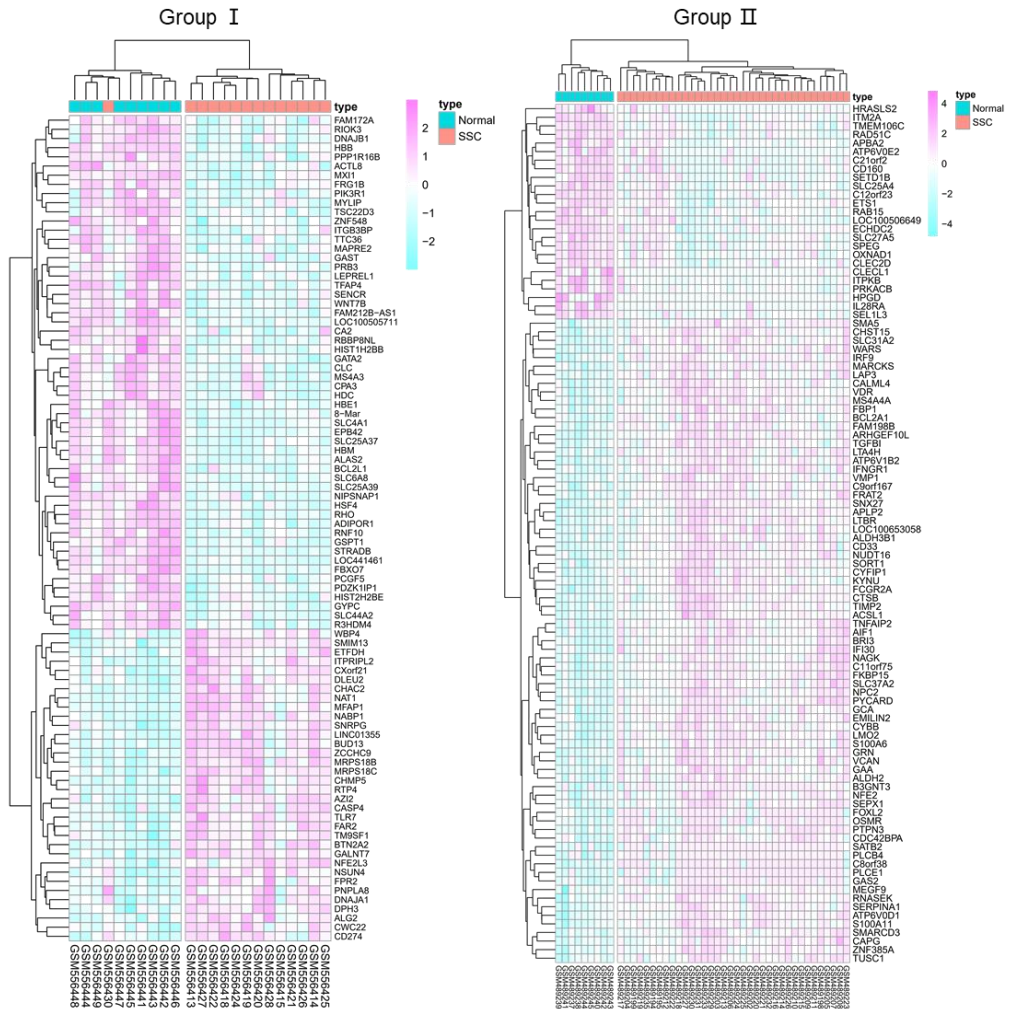


Fig. S1. Hierarchical clustering heatmap of top-ranked DEGs screened from systemic sclerosis (Group I and Group II) and lung cancer (Group III and Group IV).