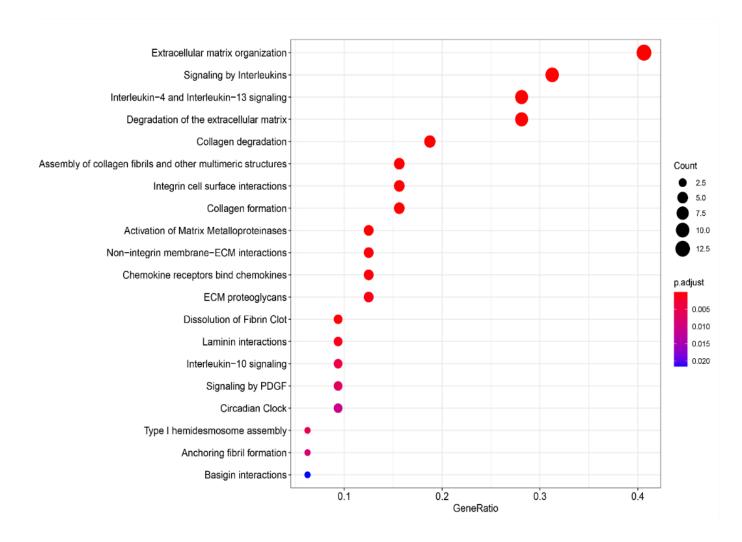
A B

Upregulated		Downregulated	
1	MMP3	1	SRGN
2	MMP1	2	CD44
3	CXCL8	3	TNXB
4	CXCL10	4	CD34
5	DSC2	5	RORA
6	CXCL13	6	CD36
7	MMP10		
8	STAT1		
9	ITGA6		
10	SLPI		
11	COL4A1		
12	TNC		
13	SPP1		
14	PLAU		
15	CXCL11		
16	SLC2A1		
17	CD24		
18	SERPINE1		
19	PLAUR		
20	LAMC2		
21	SRGN		
22	MMP12		
23	CDKN2A		
24	PDPN		
25	HIF1A		
26	MMP9		
27	IL1A		



**Supplementary Image 2**. Reactome pathway analysis of combined metastatic vs. normal skin analyses. a) Shared significantly up- and down-regulated genes (log2FC < - 0.58, > 0.58; P-value < 0.01) derived from public datasets meta-analyses of metastatic primary tumors vs. normal skin and PRI+ vs. SES (current study). b) Dot plot of top 20 significantly enriched Reactome gene ontology (GO) terms derived using the 33 shared genes shown in a). Plotted in order of gene ratio with the size of the dots representing the number of genes in the gene list associated with the GO term and the color of the dots representing the P-adjusted values.