

Figure S1. Microarray data quality control and preprocessing. (A) Evaluation of the integrity of the RNA samples by RNA degradation plots; all the samples exhibited slight RNA degradation due to the low probe intensities from the 5' to 3' end. The raw expression data were normalized by MAS 5.0, RMA or gcRMA algorithm, and the distribution of the normalized probe set intensities was evaluated by (B) density histograms.

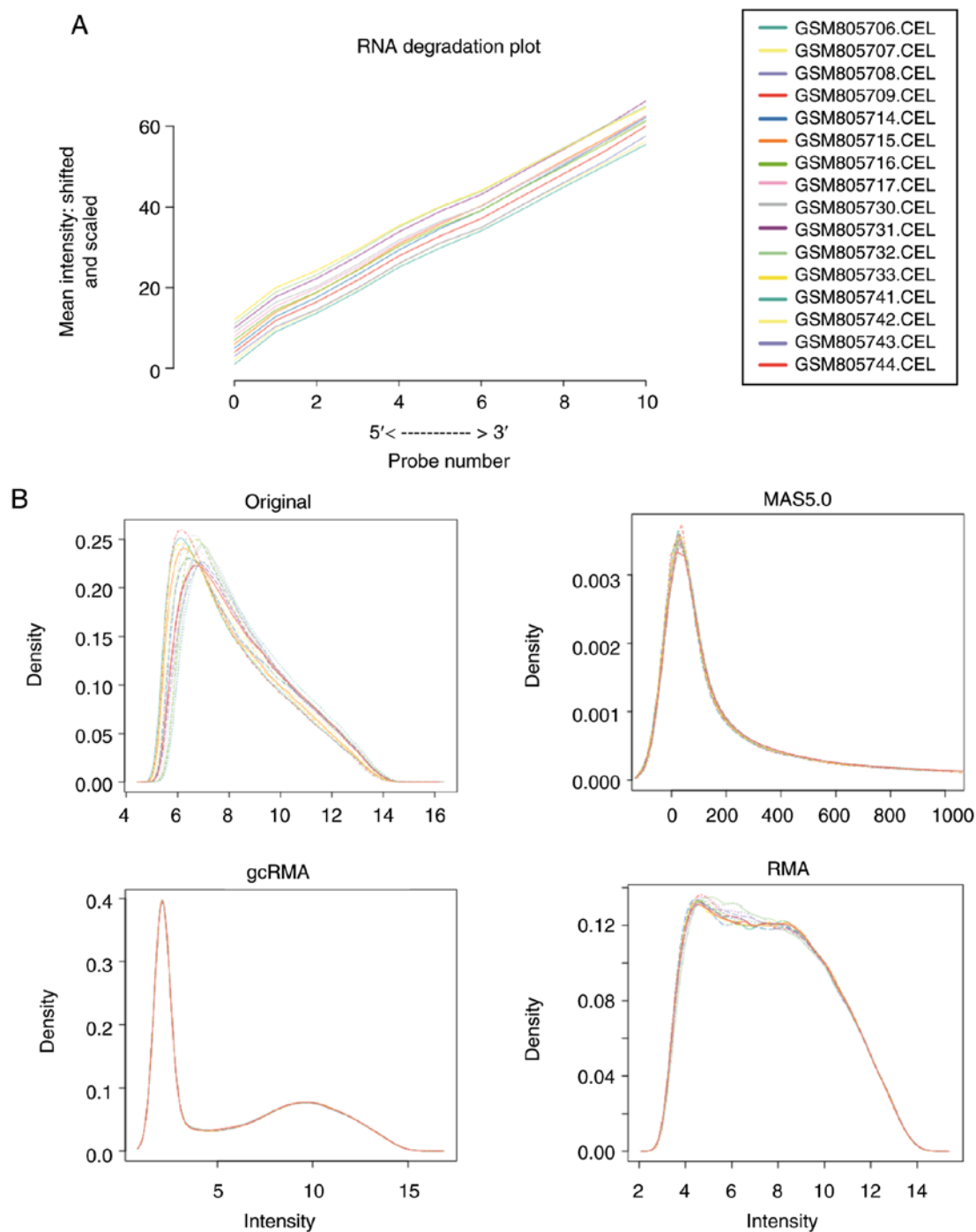


Figure S1. Continued. The raw expression data were normalized by MAS 5.0, RMA or gcRMA algorithm, and the distribution of the normalized probe set intensities was evaluated by (C) boxplots. The results demonstrated that gcRMA generated better results and was used for subsequent analysis.

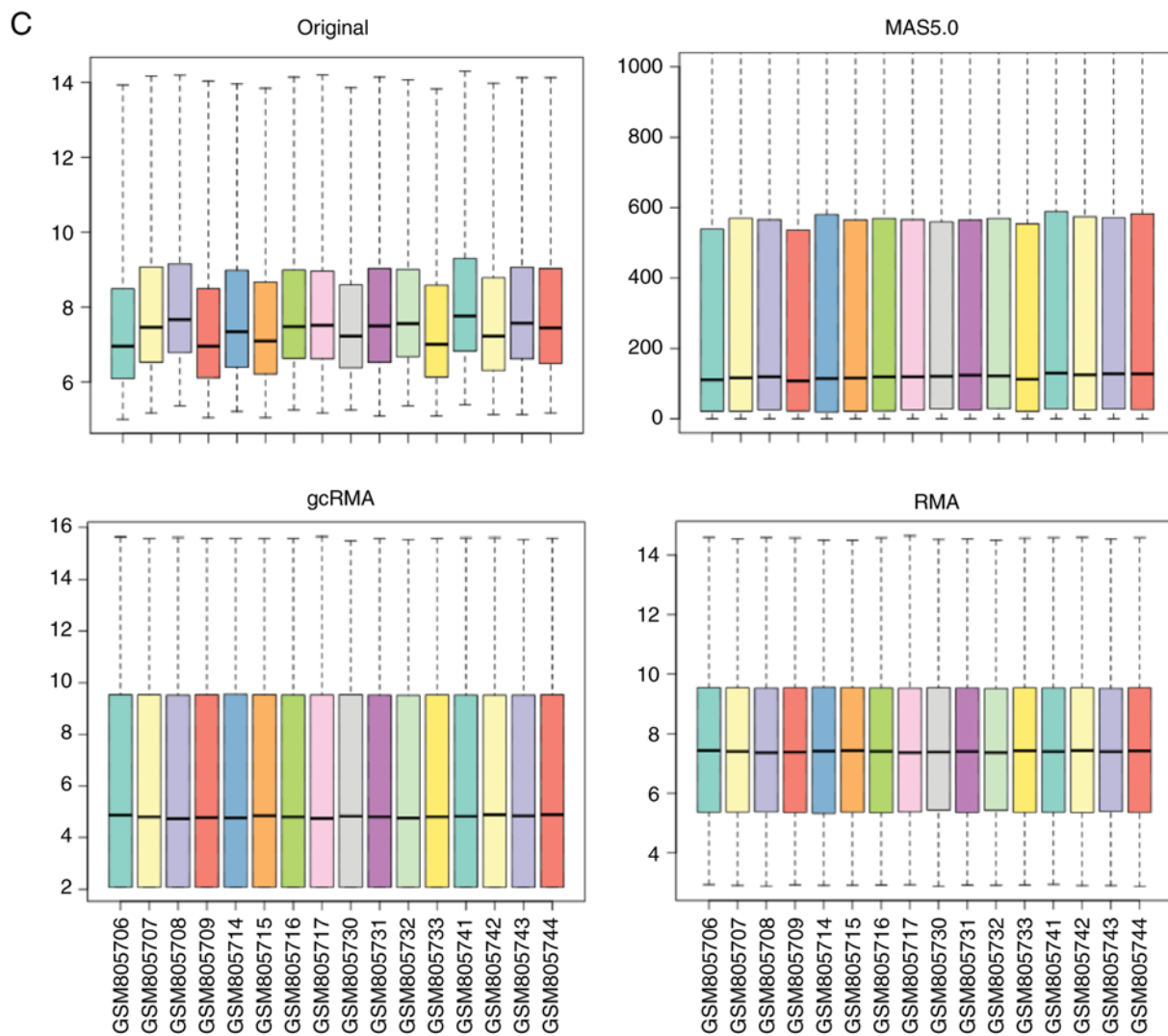


Table S1. Statistical results of the expression levels of 78 leading-edge genes in the S3I3 and S24I24 datasets.

Gene	S3I3 dataset			S24I24 dataset		
	logFC	t	Adjusted P-value	logFC	t	Adjusted P-value
A2m	1.122	3.874	0.072	3.048	10.527	<0.001
Abcb1b	0.026	0.108	1.000	0.887	3.621	0.034
Adm	1.088	3.894	0.071	0.807	4.781	0.008
Aebp1	-0.077	-0.280	1.000	1.079	3.905	0.023
Afp	0.000	0.006	1.000	0.121	3.395	0.045
Bak1	-0.030	-0.194	1.000	0.568	3.729	0.029
Bcl3	0.156	0.851	0.994	3.446	18.820	<0.001
Bmp7	0.002	1.368	0.723	0.818	4.137	0.017
Ccl2	3.745	4.516	0.037	4.607	5.555	0.003
Ccnd1	-0.356	-1.385	0.718	0.756	4.585	0.010
Cd163	-0.057	-0.124	1.000	2.320	5.043	0.006
Cd44	0.162	0.962	0.928	3.865	22.888	<0.001
Cd68	0.700	4.039	0.060	0.964	5.564	0.003
Cd84	-0.121	-0.467	1.000	1.128	4.340	0.014
Cd9	0.370	2.388	0.338	1.333	8.591	<0.001
Cdkn1a	0.821	2.319	0.358	1.059	4.188	0.016
Cebpa	0.460	1.897	0.521	1.282	5.281	0.005
Cebpb	0.797	2.208	0.397	2.504	6.934	0.001
Cflar	0.216	2.333	0.354	1.016	14.374	<0.001
Chil1	-0.032	-0.147	1.000	1.208	5.630	0.003
Cish	0.553	2.843	0.215	1.226	6.300	0.002
Cks1b	0.114	0.656	1.000	-0.579	-3.322	0.050
Col5a2	-0.040	-0.571	1.000	0.312	5.020	0.006
Edn1	0.993	2.707	0.248	3.163	8.627	<0.001
Elk1	-0.201	-3.249	0.142	0.294	4.748	0.008
Fabp4	0.604	1.358	0.727	4.444	9.987	<0.001
Fcgr1	-0.101	-0.385	1.000	2.039	7.762	<0.001
Fosl1	0.000	0.000	1.000	4.109	8.794	<0.001
Gfap	0.355	1.179	0.811	1.654	9.143	<0.001
Hk2	-0.167	-0.738	1.000	1.290	5.694	0.003
Hmox1	2.580	7.604	0.002	4.936	14.549	0.000
Hpgd	-0.222	-1.020	0.896	0.965	4.431	0.012
Icam1	1.141	2.619	0.271	2.352	5.400	0.004
Igf1	-0.221	-1.746	0.589	0.869	3.522	0.038
Igfbp3	-0.619	-2.516	0.300	2.374	9.653	<0.001
Il6	0.000	0.000	1.000	6.542	15.938	<0.001
Irf9	0.219	1.104	0.851	1.440	7.243	0.001
Itga5	0.503	1.390	0.716	1.107	10.774	<0.001
Itga6	0.260	4.143	0.054	0.550	8.784	<0.001
Itgb2	0.012	0.092	1.000	1.985	15.702	<0.001
Lcn2	0.520	0.906	0.961	2.081	3.624	0.033
Mcam	0.359	1.533	0.691	1.323	5.658	0.003
Mmp3	-0.001	-0.008	1.000	6.998	40.628	<0.001
Msr1	0.086	0.182	1.000	4.575	9.627	<0.001
Myc	2.010	4.664	0.031	2.790	6.476	0.001
Myd88	0.169	0.640	1.000	2.802	10.579	<0.001
Ncf4	0.079	0.235	1.000	2.162	6.397	0.001
Nos3	-0.048	-0.176	1.000	1.693	6.249	0.002
Notch1	0.092	1.177	0.811	0.354	4.523	0.011
Nqo1	-0.071	-0.543	1.000	0.686	5.272	0.005
Nudt6	-0.446	-2.353	0.350	1.524	8.031	<0.001
Pdgfrb	0.059	0.593	1.000	0.815	10.416	<0.001
Pecam1	0.150	0.465	1.000	1.175	3.635	0.033

Table S1. Continued.

Gene	S3I3 dataset			S24I24 dataset		
	logFC	t	Adjusted P-value	logFC	t	Adjusted P-value
Phlda3	0.023	0.161	1.000	0.624	4.445	0.012
Plat	0.906	4.436	0.040	1.153	4.178	0.017
Plaur	1.614	3.370	0.124	3.927	8.199	<0.001
Prtn3	-0.006	-0.027	1.000	0.832	3.467	0.041
Ptprc	0.587	1.463	0.713	1.684	4.200	0.016
Rapgef11	-0.829	-2.778	0.231	-1.211	-4.056	0.019
Rela	0.381	2.324	0.357	0.822	5.014	0.006
Saa3	0.018	0.018	1.000	5.496	5.518	0.004
Serpine1	0.002	0.077	1.000	0.294	10.474	<0.001
Socs3	1.950	4.475	0.038	4.567	11.847	<0.001
Spint1	0.018	0.073	1.000	0.903	3.685	0.031
Spp1	-0.008	-0.028	1.000	2.584	9.528	<0.001
Taf7	-0.067	-1.134	0.836	0.659	6.566	0.001
Tead1	0.271	1.305	0.750	1.763	5.650	0.003
Tgfbi	-0.467	-1.584	0.668	3.995	12.509	<0.001
Tgm1	0.000	0.000	1.000	4.296	13.745	<0.001
Timp1	-0.444	-0.731	1.000	5.717	9.401	<0.001
Tlr13	0.089	0.445	1.000	2.056	10.266	<0.001
Tlr2	0.130	0.324	1.000	2.296	5.720	0.003
Tnc	0.832	2.336	0.354	5.699	16.009	<0.001
Tnpo1	0.603	3.898	0.071	0.428	5.593	0.003
Ucp2	-0.513	-2.083	0.444	1.165	5.656	0.003
Upp1	0.308	1.801	0.564	1.885	11.036	<0.001
Vav1	0.028	0.098	1.000	2.156	7.614	<0.001
Zfp36	1.807	7.286	0.003	3.209	12.940	<0.001

FC, fold change.