

Table S4: List of 201 differentially expressed genes (1.5 fold) that were significantly associated with survival

Gene Symbol	ANOVA (short vs long)		Coxregression	
	p-value	Fold-Change(short vs. long)	Hratio	p-value
ADM	<b>0.0067</b>	2.1121	1.6434	<b>0.0076</b>
ANLN	<b>0.0065</b>	2.4203	1.6469	<b>0.0007</b>
AQP9	<b>0.0266</b>	2.0701	1.4500	<b>0.0262</b>
AREG	<b>0.0190</b>	2.1910	1.4213	<b>0.0106</b>
MET	<b>0.0200</b>	2.2211	1.5133	<b>0.0081</b>
KRT7	<b>0.0357</b>	2.2140	1.8179	<b>0.0008</b>
ASPM	<b>0.0323</b>	1.6194	1.7248	<b>0.0049</b>
FBXO32	<b>0.0058</b>	2.1348	1.9033	<b>0.0003</b>
TPX2	<b>0.0024</b>	2.1339	2.0896	<b>0.0001</b>
CDH3	<b>0.0182</b>	2.1180	1.9639	<b>0.0005</b>
C7	<b>0.0037</b>	-4.1131	0.7256	<b>0.0033</b>
CCNB2	<b>0.0206</b>	1.5062	2.0442	<b>0.0077</b>
CD151	<b>0.0028</b>	1.6913	3.4071	<b>0.0020</b>
CDH13	<b>0.0089</b>	1.6293	2.0071	<b>0.0194</b>
CDK1	<b>0.0224</b>	1.5553	2.2211	<b>0.0028</b>
FAM83D	<b>0.0161</b>	2.0409	1.6069	<b>0.0026</b>
CFTR	<b>0.0153</b>	-5.5952	0.8455	<b>0.0322</b>
ERO1L	<b>0.0188</b>	1.9535	1.8162	<b>0.0025</b>
CH25H	<b>0.0330</b>	-1.5497	0.4617	<b>0.0142</b>
MKI67	<b>0.0036</b>	1.9000	2.2732	<b>0.0004</b>
UBE2C	<b>0.0016</b>	1.8938	2.6998	<b>0.0000</b>
TOP2A	<b>0.0143</b>	1.8827	1.6523	<b>0.0019</b>
CHN2	<b>0.0056</b>	-1.6072	0.3481	<b>0.0015</b>
CHST4	<b>0.0080</b>	-1.5799	0.4149	<b>0.0106</b>
CRABP2	<b>0.0096</b>	1.8093	1.6743	<b>0.0051</b>
CLU	<b>0.0327</b>	-1.5489	0.4852	<b>0.0180</b>
WEE1	<b>0.0099</b>	1.8050	1.5113	<b>0.0259</b>
DHCR24	<b>0.0271</b>	1.5383	1.7047	<b>0.0391</b>
NCAPG	<b>0.0017</b>	1.7952	2.3367	<b>0.0007</b>
DLGAP5	<b>0.0177</b>	1.7909	2.1819	<b>0.0010</b>
SHCBP1	<b>0.0015</b>	1.7798	2.2703	<b>0.0008</b>
DKK1	<b>0.0296</b>	1.8020	1.6110	<b>0.0052</b>
DPT	<b>0.0493</b>	-1.8767	0.6786	<b>0.0317</b>
ECT2	<b>0.0240</b>	1.7489	1.9834	<b>0.0023</b>
EFNB2	<b>0.0115</b>	1.7457	1.6579	<b>0.0121</b>
ENO1	<b>0.0123</b>	1.7077	2.2803	<b>0.0019</b>
EREG	<b>0.0033</b>	2.1004	1.5575	<b>0.0064</b>

F11	<b>0.0463</b>	-2.4872	0.7551	<b>0.0335</b>
CCNB1	<b>0.0079</b>	1.7201	1.8111	<b>0.0014</b>
CELSR1	<b>0.0049</b>	1.7182	4.1210	<b>0.0000</b>
MALL	<b>0.0223</b>	1.7130	1.6941	<b>0.0242</b>
FNDC3B	<b>0.0123</b>	1.5023	5.3773	<b>0.0004</b>
FREM1	<b>0.0064</b>	-1.6598	0.5576	<b>0.0484</b>
GATM	<b>0.0343</b>	-3.1242	0.8102	<b>0.0348</b>
GPR109B	<b>0.0407</b>	1.5429	1.6127	<b>0.0235</b>
HK2	<b>0.0129</b>	1.8525	1.7008	<b>0.0077</b>
IFITM1	<b>0.0295</b>	1.5126	2.0724	<b>0.0145</b>
SNORD25	<b>0.0019</b>	1.6688	2.1309	<b>0.0048</b>
FOXM1	<b>0.0048</b>	1.6680	2.7380	<b>0.0005</b>
NMU	<b>0.0317</b>	1.6640	1.5213	<b>0.0429</b>
IGF2BP2	<b>0.0439</b>	1.5533	2.0973	<b>0.0039</b>
IGF2BP3	<b>0.0040</b>	2.0942	1.9034	<b>0.0005</b>
CIT	<b>0.0014</b>	1.6522	4.2477	<b>0.0001</b>
BUB1	<b>0.0032</b>	1.6515	2.3468	<b>0.0006</b>
ITGA3	<b>0.0148</b>	2.3466	1.5995	<b>0.0025</b>
PYGL	<b>0.0407</b>	1.6469	1.6598	<b>0.0146</b>
ITGA5	<b>0.0097</b>	1.8174	2.2974	<b>0.0020</b>
HIST1H3I	<b>0.0114</b>	1.6428	2.0116	<b>0.0018</b>
ARNTL2	<b>0.0335</b>	1.6426	1.9065	<b>0.0018</b>
ITGB3	<b>0.0102</b>	2.0670	2.0071	<b>0.0011</b>
CENPF	<b>0.0312</b>	1.6421	1.5982	<b>0.0038</b>
MELK	<b>0.0056</b>	1.6340	1.8244	<b>0.0064</b>
KIF23	<b>0.0164</b>	1.6336	1.8807	<b>0.0011</b>
WDHD1	<b>0.0039</b>	1.6318	3.4717	<b>0.0002</b>
ITGB4	<b>0.0199</b>	1.7709	1.7494	<b>0.0056</b>
CDC6	<b>0.0086</b>	1.6223	1.8930	<b>0.0017</b>
HIST2H2AA3	<b>0.0046</b>	1.6220	1.9853	<b>0.0092</b>
HIST2H2AA3	<b>0.0046</b>	1.6220	1.9853	<b>0.0092</b>
GAPDH	<b>0.0247</b>	1.6205	2.2316	<b>0.0027</b>
ITGB8	<b>0.0434</b>	1.5691	1.9232	<b>0.0087</b>
HIST1H2BM	<b>0.0115</b>	1.6182	2.0018	<b>0.0076</b>
PLOD1	<b>0.0011</b>	1.6164	3.1670	<b>0.0007</b>
SNORD34	<b>0.0031</b>	1.6147	2.0721	<b>0.0245</b>
PRC1	<b>0.0046</b>	1.6112	2.9076	<b>0.0003</b>
PFKP	<b>0.0483</b>	1.6067	2.0523	<b>0.0036</b>
KDELR3	<b>0.0243</b>	1.5224	2.1004	<b>0.0119</b>
PDK1	<b>0.0106</b>	1.5905	2.1577	<b>0.0028</b>
PRR11	<b>0.0053</b>	1.5895	2.5071	<b>0.0011</b>
SLC38A1	<b>0.0021</b>	1.5869	4.2315	<b>0.0000</b>
NPC1	<b>0.0419</b>	1.5852	1.8533	<b>0.0028</b>

SNORD12C	<b>0.0037</b>	1.5724	2.4798	<b>0.0039</b>
LOXL2	<b>0.0219</b>	1.7760	1.7069	<b>0.0110</b>
MCAM	<b>0.0140</b>	1.6453	1.7207	<b>0.0488</b>
MFI2	<b>0.0079</b>	1.6487	2.0695	<b>0.0034</b>
TMEM45A	<b>0.0399</b>	1.5606	1.6350	<b>0.0459</b>
TRIP13	<b>0.0051</b>	1.5597	2.7749	<b>0.0007</b>
CDKN3	<b>0.0034</b>	1.5576	5.8153	<b>0.0000</b>
JUP	<b>0.0437</b>	1.5574	2.1085	<b>0.0055</b>
FKBP10	<b>0.0075</b>	1.5561	2.7951	<b>0.0038</b>
MMP14	<b>0.0143</b>	1.8080	2.1547	<b>0.0032</b>
MUC6	<b>0.0061</b>	-3.2558	0.7507	<b>0.0302</b>
HSN2	<b>0.0337</b>	1.5496	2.1516	<b>0.0127</b>
LPP	<b>0.0189</b>	1.5494	2.2154	<b>0.0147</b>
SLC9A7	<b>0.0017</b>	1.5475	5.5379	<b>0.0000</b>
RHOF	<b>0.0011</b>	1.5465	2.9314	<b>0.0001</b>
SPOCK1	<b>0.0132</b>	1.5447	2.5690	<b>0.0037</b>
MXD1	<b>0.0086</b>	1.6550	1.9592	<b>0.0083</b>
FRRS1	<b>0.0470</b>	1.5439	1.8363	<b>0.0176</b>
NCAPD2	<b>0.0038</b>	1.6576	3.5113	<b>0.0001</b>
NET1	<b>0.0125</b>	1.5424	2.5886	<b>0.0063</b>
NOSTRIN	<b>0.0085</b>	-1.8623	0.4488	<b>0.0011</b>
SNORD26	<b>0.0057</b>	1.5324	3.1211	<b>0.0019</b>
SNCG	<b>0.0132</b>	1.5306	2.2702	<b>0.0093</b>
ATAD2	<b>0.0097</b>	1.5258	2.8372	<b>0.0003</b>
ARHGAP11A	<b>0.0118</b>	1.5255	1.9793	<b>0.0061</b>
NPNT	<b>0.0254</b>	-1.7748	0.5564	<b>0.0079</b>
CEP55	<b>0.0225</b>	1.5212	2.1377	<b>0.0039</b>
CALU	<b>0.0450</b>	1.5205	1.9455	<b>0.0138</b>
KIF20A	<b>0.0010</b>	1.5198	3.0232	<b>0.0004</b>
SFN	<b>0.0356</b>	1.5187	1.9528	<b>0.0052</b>
NT5E	<b>0.0414</b>	1.9712	1.4461	<b>0.0165</b>
GLT25D1	<b>0.0129</b>	1.5084	3.2483	<b>0.0038</b>
CENPK	<b>0.0283</b>	1.5068	1.8318	<b>0.0035</b>
PBK	<b>0.0012</b>	1.7569	2.4445	<b>0.0008</b>
SEC14L2	<b>0.0089</b>	1.5043	3.5530	<b>0.0003</b>
PIGR	<b>0.0030</b>	-3.5989	0.6999	<b>0.0145</b>
FLJ16734	<b>0.0231</b>	-1.5041	0.5395	<b>0.0346</b>
FLJ41170	<b>0.0085</b>	-1.5140	0.3701	<b>0.0175</b>
CGNL1	<b>0.0323</b>	-1.5210	0.5305	<b>0.0276</b>
MEIS1	<b>0.0185</b>	-1.5370	0.5639	<b>0.0466</b>
C1QTNF7	<b>0.0000</b>	-1.5417	0.2606	<b>0.0085</b>
PLD1	<b>0.0135</b>	-1.5424	0.4995	<b>0.0289</b>
RAB26	<b>0.0111</b>	-1.5446	0.5277	<b>0.0439</b>

NR3C2	<b>0.0064</b>	-1.5460	0.3140	<b>0.0017</b>
PLIN2	<b>0.0208</b>	1.6824	1.8547	<b>0.0167</b>
PLK1	<b>0.0027</b>	1.6422	3.4022	<b>0.0001</b>
UGT2B10	<b>0.0082</b>	-1.5561	0.4779	<b>0.0325</b>
GCNT4	<b>0.0270</b>	-1.5580	0.3387	<b>0.0017</b>
CSRNP3	<b>0.0043</b>	-1.5633	0.4874	<b>0.0193</b>
PLXNA1	<b>0.0141</b>	1.5708	3.8988	<b>0.0001</b>
DZIP1	<b>0.0016</b>	-1.5889	0.4540	<b>0.0087</b>
PTPRN2	<b>0.0058</b>	-1.5904	0.4279	<b>0.0092</b>
HMGCLL1	<b>0.0014</b>	-1.5911	0.4444	<b>0.0316</b>
FMO3	<b>0.0320</b>	-1.5949	0.5163	<b>0.0447</b>
SNORD116-5	<b>0.0358</b>	-1.6067	0.6413	<b>0.0267</b>
SNORD116-5	<b>0.0358</b>	-1.6067	0.6413	<b>0.0267</b>
PROX1	<b>0.0252</b>	-1.6693	0.5337	<b>0.0095</b>
SNORD116-4	<b>0.0338</b>	-1.6078	0.6240	<b>0.0388</b>
GPR133	<b>0.0296</b>	-1.6113	0.5095	<b>0.0176</b>
MYOM1	<b>0.0334</b>	-1.6155	0.4884	<b>0.0142</b>
FGFR2	<b>0.0247</b>	-1.6165	0.6329	<b>0.0292</b>
SNORD109A	<b>0.0001</b>	-1.6317	0.4203	<b>0.0053</b>
SNORD109A	<b>0.0001</b>	-1.6317	0.4203	<b>0.0053</b>
LONRF2	<b>0.0102</b>	-1.6453	0.5359	<b>0.0195</b>
SNORD116-3	<b>0.0138</b>	-1.6506	0.5861	<b>0.0198</b>
SNORD116-3	<b>0.0138</b>	-1.6506	0.5861	<b>0.0198</b>
SNRPN	<b>0.0125</b>	-1.6582	0.5862	<b>0.0465</b>
PXDN	<b>0.0412</b>	1.7398	1.6000	<b>0.0254</b>
RACGAP1	<b>0.0017</b>	1.5921	3.4699	<b>0.0001</b>
RAI14	<b>0.0154</b>	1.6732	3.1256	<b>0.0005</b>
SORBS2	<b>0.0257</b>	-1.6798	0.5779	<b>0.0170</b>
ZNF483	<b>0.0004</b>	-1.6920	0.3982	<b>0.0154</b>
KIF12	<b>0.0050</b>	-1.7000	0.4167	<b>0.0042</b>
HLF	<b>0.0004</b>	-1.7047	0.2305	<b>0.0007</b>
TCEA3	<b>0.0336</b>	-1.7236	0.5210	<b>0.0055</b>
ABCA5	<b>0.0224</b>	-1.7310	0.4573	<b>0.0076</b>
SNORD116-8	<b>0.0133</b>	-1.7374	0.5970	<b>0.0198</b>
FXVD2	<b>0.0308</b>	-1.7423	0.6687	<b>0.0443</b>
FLRT2	<b>0.0122</b>	-1.7668	0.5909	<b>0.0062</b>
ART4	<b>0.0006</b>	-1.7739	0.4514	<b>0.0117</b>
SEMA7A	<b>0.0048</b>	1.6980	2.5271	<b>0.0005</b>
LMO3	<b>0.0143</b>	-1.7836	0.5132	<b>0.0029</b>
FMO5	<b>0.0084</b>	-1.7871	0.6109	<b>0.0281</b>
SNORD116-23	<b>0.0242</b>	-1.8024	0.5668	<b>0.0133</b>
RGN	<b>0.0391</b>	-1.8158	0.5606	<b>0.0229</b>
C10orf81	<b>0.0321</b>	-1.8206	0.6942	<b>0.0409</b>

ADAMTSL3	<b>0.0053</b>	-1.8446	0.5391	<b>0.0059</b>
SLC11A1	<b>0.0117</b>	1.9089	1.8646	<b>0.0038</b>
SLC16A3	<b>0.0045</b>	1.7048	2.9905	<b>0.0003</b>
FRZB	<b>0.0024</b>	-1.8867	0.5897	<b>0.0257</b>
FAM159B	<b>0.0299</b>	-1.8903	0.6776	<b>0.0474</b>
ABCA10	<b>0.0105</b>	-1.9184	0.4772	<b>0.0032</b>
ADH1C	<b>0.0263</b>	-1.9445	0.6330	<b>0.0214</b>
SNORD113-3	<b>0.0198</b>	-1.9452	0.5486	<b>0.0056</b>
DPEP1	<b>0.0125</b>	-1.9483	0.5872	<b>0.0062</b>
PAK3	<b>0.0323</b>	-1.9565	0.7055	<b>0.0473</b>
SNORD114-2	<b>0.0424</b>	-1.9803	0.6735	<b>0.0129</b>
SNORD116-25	<b>0.0196</b>	-2.0367	0.5561	<b>0.0060</b>
SNORD116-26	<b>0.0183</b>	-2.0802	0.6100	<b>0.0150</b>
AMY2B	<b>0.0125</b>	-2.0929	0.6253	<b>0.0129</b>
PAH	<b>0.0249</b>	-2.0948	0.6832	<b>0.0356</b>
C14orf105	<b>0.0345</b>	-2.1065	0.7094	<b>0.0248</b>
SNORD114-3	<b>0.0394</b>	-2.1327	0.6807	<b>0.0145</b>
DCDC2	<b>0.0302</b>	-2.1489	0.7129	<b>0.0280</b>
CATSPERB	<b>0.0491</b>	-2.1534	0.6893	<b>0.0102</b>
SNORD116-6	<b>0.0141</b>	-2.1576	0.5937	<b>0.0064</b>
SNORD116-29	<b>0.0019</b>	-2.1716	0.5097	<b>0.0058</b>
LOC93432	<b>0.0080</b>	-2.1997	0.6857	<b>0.0325</b>
ALDH1A1	<b>0.0001</b>	-2.2067	0.3141	<b>0.0000</b>
ADH1B	<b>0.0481</b>	-2.4602	0.7462	<b>0.0277</b>
SLC20A1	<b>0.0188</b>	1.5440	2.9835	<b>0.0017</b>
CADPS	<b>0.0009</b>	-2.4896	0.6464	<b>0.0144</b>
C6	<b>0.0108</b>	-2.8342	0.7074	<b>0.0135</b>
SLC2A1	<b>0.0128</b>	2.3279	1.7957	<b>0.0009</b>
SLC3A1	<b>0.0058</b>	-3.2262	0.6999	<b>0.0074</b>
SOX6	<b>0.0012</b>	-1.6639	0.5235	<b>0.0304</b>
UGT2B7	<b>0.0408</b>	-3.2810	0.2825	<b>0.0049</b>
TGFBI	<b>0.0242</b>	1.7755	1.7706	<b>0.0090</b>
TNC	<b>0.0147</b>	2.6131	1.3687	<b>0.0114</b>
SLC4A4	<b>0.0220</b>	-4.3259	0.8427	<b>0.0429</b>
WFDC2	<b>0.0260</b>	1.5671	1.8893	<b>0.0145</b>

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Table S5: List of 66 inflammatory genes associated with survival

gene symbles	coxregression (test cohort)			p- value(gene)
	Hratio	LowCI	UpCI	
ADM	1.6434	1.1411	2.3670	<b>0.0076</b>
AQP9	1.4500	1.0450	2.0120	<b>0.0262</b>
AREG	1.4213	1.0853	1.8615	<b>0.0106</b>
ASPM	1.7248	1.1795	2.5222	<b>0.0049</b>
C7	0.7256	0.5858	0.8989	<b>0.0033</b>
CCNB2	2.0442	1.2086	3.4576	<b>0.0077</b>
CD151	3.4071	1.5644	7.4205	<b>0.0020</b>
CDH13	2.0071	1.1192	3.5994	<b>0.0194</b>
CDK1	2.2211	1.3174	3.7449	<b>0.0028</b>
CFTR	0.8455	0.7252	0.9858	<b>0.0322</b>
CH25H	0.4617	0.2488	0.8565	<b>0.0142</b>
CHN2	0.3481	0.1815	0.6677	<b>0.0015</b>
CHST4	0.4149	0.2113	0.8148	<b>0.0106</b>
CLU	0.4852	0.2666	0.8833	<b>0.0180</b>
DHCR24	1.7047	1.0271	2.8294	<b>0.0391</b>
DKK1	1.6110	1.1528	2.2514	<b>0.0052</b>
DPT	0.6786	0.4765	0.9666	<b>0.0317</b>
ECT2	1.9834	1.2782	3.0777	<b>0.0023</b>
EFNB2	1.6579	1.1168	2.4609	<b>0.0121</b>
ENO1	2.2803	1.3548	3.8380	<b>0.0019</b>
EREG	1.5575	1.1324	2.1421	<b>0.0064</b>
F11	0.7551	0.5828	0.9783	<b>0.0335</b>
FNDC3B	5.3773	2.1299	13.5762	<b>0.0004</b>
FREM1	0.5576	0.3121	0.9959	<b>0.0484</b>
GATM	0.8102	0.6664	0.9851	<b>0.0348</b>
GPR109B	1.6127	1.0665	2.4384	<b>0.0235</b>
HK2	1.7008	1.1507	2.5138	<b>0.0077</b>
IFITM1	2.0724	1.1557	3.7162	<b>0.0145</b>
IGF2BP2	2.0973	1.2690	3.4662	<b>0.0039</b>
IGF2BP3	1.9034	1.3279	2.7284	<b>0.0005</b>
ITGA3	1.5995	1.1792	2.1694	<b>0.0025</b>
ITGA5	2.2974	1.3571	3.8892	<b>0.0020</b>
ITGB3	2.0071	1.3201	3.0515	<b>0.0011</b>
ITGB4	1.7494	1.1773	2.5993	<b>0.0056</b>
ITGB8	1.9232	1.1801	3.1344	<b>0.0087</b>
KDEL3R3	2.1004	1.1778	3.7457	<b>0.0119</b>
LOXL2	1.7069	1.1303	2.5776	<b>0.0110</b>
MCAM	1.7207	1.0028	2.9525	<b>0.0488</b>

MFI2	2.0695	1.2723	3.3664	<b>0.0034</b>
MMP14	2.1547	1.2932	3.5903	<b>0.0032</b>
MUC6	0.7507	0.5793	0.9729	<b>0.0302</b>
MXD1	1.9592	1.1892	3.2279	<b>0.0083</b>
NCAPD2	3.5113	1.9088	6.4593	<b>0.0001</b>
NET1	2.5886	1.3086	5.1209	<b>0.0063</b>
NOSTRIN	0.4488	0.2776	0.7257	<b>0.0011</b>
NPNT	0.5564	0.3608	0.8578	<b>0.0079</b>
NT5E	1.4461	1.0696	1.9550	<b>0.0165</b>
PBK	2.4445	1.4495	4.1224	<b>0.0008</b>
PIGR	0.6999	0.5257	0.9318	<b>0.0145</b>
PLD1	0.4995	0.2679	0.9312	<b>0.0289</b>
PLIN2	1.8547	1.1181	3.0765	<b>0.0167</b>
PLK1	3.4022	1.8387	6.2954	<b>0.0001</b>
PLXNA1	3.8988	1.9778	7.6854	<b>0.0001</b>
PROX1	0.5337	0.3321	0.8579	<b>0.0095</b>
PXDN	1.6000	1.0596	2.4160	<b>0.0254</b>
RACGAP1	3.4699	1.8410	6.5401	<b>0.0001</b>
RAI14	3.1256	1.6500	5.9208	<b>0.0005</b>
SEMA7A	2.5271	1.4955	4.2704	<b>0.0005</b>
SLC11A1	1.8646	1.2224	2.8443	<b>0.0038</b>
SLC16A3	2.9905	1.6623	5.3799	<b>0.0003</b>
SLC20A1	2.9835	1.5057	5.9118	<b>0.0017</b>
SLC2A1	1.7957	1.2692	2.5404	<b>0.0009</b>
SOX6	0.5235	0.2913	0.9406	<b>0.0304</b>
TGFBI	1.7706	1.1533	2.7181	<b>0.0090</b>
TNC	1.3687	1.0734	1.7453	<b>0.0114</b>
WFDC2	1.8893	1.1343	3.1468	<b>0.0145</b>

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Table S6: List of 35 inflammatory genes associated with survival by Kaplan-Meier analysis

gene symbols	Coxregression			Kaplan-Meier( log rank)	
	Hratio	LowCI	UpCI	p-value(gene)	p value
ADM	1.6434	1.1411	2.3670	<b>0.0076</b>	<b>0.0166</b>
AQP9	1.4500	1.0450	2.0120	<b>0.0262</b>	<b>0.0209</b>
ASPM	1.7248	1.1795	2.5222	<b>0.0049</b>	<b>0.0178</b>
CCNB2	2.0442	1.2086	3.4576	<b>0.0077</b>	<b>0.0050</b>
CD151	3.4071	1.5644	7.4205	<b>0.0020</b>	<b>0.0457</b>
CDK1	2.2211	1.3174	3.7449	<b>0.0028</b>	<b>0.0125</b>
CHN2	0.3481	0.1815	0.6677	<b>0.0015</b>	<b>0.0009</b>
CHST4	0.4149	0.2113	0.8148	<b>0.0106</b>	<b>0.0116</b>
DKK1	1.6110	1.1528	2.2514	<b>0.0052</b>	<b>0.0095</b>
ECT2	1.9834	1.2782	3.0777	<b>0.0023</b>	<b>0.0104</b>
EFNB2	1.6579	1.1168	2.4609	<b>0.0121</b>	<b>0.0078</b>
ENO1	2.2803	1.3548	3.8380	<b>0.0019</b>	<b>0.0035</b>
GATM	0.8102	0.6664	0.9851	<b>0.0348</b>	<b>0.0110</b>
GPR109B	1.6127	1.0665	2.4384	<b>0.0235</b>	<b>0.0104</b>
IGF2BP3	1.9034	1.3279	2.7284	<b>0.0005</b>	<b>0.0017</b>
ITGB3	2.0071	1.3201	3.0515	<b>0.0011</b>	<b>0.0422</b>
ITGB4	1.7494	1.1773	2.5993	<b>0.0056</b>	<b>0.0230</b>
ITGB8	1.9232	1.1801	3.1344	<b>0.0087</b>	<b>0.0275</b>
MFI2	2.0695	1.2723	3.3664	<b>0.0034</b>	<b>0.0033</b>
MUC6	0.7507	0.5793	0.9729	<b>0.0302</b>	<b>0.0390</b>
NCAPD2	3.5113	1.9088	6.4593	<b>0.0001</b>	<b>0.0046</b>
NET1	2.5886	1.3086	5.1209	<b>0.0063</b>	<b>0.0080</b>
NOSTRIN	0.4488	0.2776	0.7257	<b>0.0011</b>	<b>0.0089</b>
NT5E	1.4461	1.0696	1.9550	<b>0.0165</b>	<b>0.0072</b>
PBK	2.4445	1.4495	4.1224	<b>0.0008</b>	<b>0.0133</b>
PLIN2	1.8547	1.1181	3.0765	<b>0.0167</b>	<b>0.0356</b>
PLK1	3.4022	1.8387	6.2954	<b>0.0001</b>	<b>0.0002</b>
PROX1	0.5337	0.3321	0.8579	<b>0.0095</b>	<b>0.0330</b>
RACGAP1	3.4699	1.8410	6.5401	<b>0.0001</b>	<b>&lt;0.0001</b>
RAI14	3.1256	1.6500	5.9208	<b>0.0005</b>	<b>0.0086</b>
SEMA7A	2.5271	1.4955	4.2704	<b>0.0005</b>	<b>0.0055</b>
SLC16A3	2.9905	1.6623	5.3799	<b>0.0003</b>	<b>0.0131</b>
SLC20A1	2.9835	1.5057	5.9118	<b>0.0017</b>	<b>0.0052</b>
TGFBI	1.7706	1.1533	2.7181	<b>0.0090</b>	<b>0.0264</b>
TNC	1.3687	1.0734	1.7453	<b>0.0114</b>	<b>0.0420</b>



Table S7: Univariable and Multivariable Cox-Regression Analysis

Variables (Comparison/referent)	Univariable Cox Regression		Multivariable Cox Regression	
	HR (95% CI)	P- value	HR (95% CI)	P-value
NOSTRIN (high/low)	0.45 (0.28-0.73)	<b>0.001</b>	0.54 (0.30-0.96)	<b>0.035</b>
Resection Margin (R1/R0)	1.56 (0.79-3.67)	0.793		
Grading (G3&4/G1&2)	1.79 (1.06-3.02)	<b>0.030</b>	1.34 (0.74-2.41)	0.332
Stage (IIB/I, IIA)	0.77 (0.29-2.00)	0.588		