ST1: Estimated OABC buffy coat composition

Methylation array	Group	CD8T	CD4T	NK	Bcell	Mono	Gran
204813550041/204813550041_R04C01	JSL and Pain Progressor	0.037551	0.152283	0.036366	0.036638	0.065918	0.656582
204813550041/204813550041_R05C01	JSL and Pain Progressor	0	0.140918	0.044754	0.031465	0.063008	0.712516
204813550041/204813550041_R06C01	JSL and Pain Progressor	0.010909	0.20005	0.044494	0.015141	0.087289	0.625495
204813550041/204813550041_R07C01	JSL and Pain Progressor	0.069014	0.172202	0.146355	0.004503	0.070221	0.539351
204813550042/204813550042_R04C01	JSL and Pain Progressor	0.034124	0.083904	0.061668	0.050171	0.071426	0.709116
204813550042/204813550042_R05C01	JSL and Pain Progressor	0.059058	0.164153	0.068638	0.064066	0.071365	0.603166
204813550042/204813550042_R06C01	JSL and Pain Progressor	0.063237	0.296803	0.076736	0.053085	0.059905	0.442923
204813550042/204813550042_R07C01	JSL and Pain Progressor	0.071727	0.197786	0	0.063377	0.044778	0.624919
204813550052/204813550052_R04C01	JSL and Pain Progressor	0.028216	0.2872	0.04932	0.103035	0.046353	0.481668
204813550052/204813550052_R05C01	JSL and Pain Progressor	0.010036	0.212937	0.046474	0.056403	0.047214	0.627829
204813550052/204813550052_R06C01	JSL and Pain Progressor	0.107853	0.260251	0.10186	0.059346	0.068707	0.395426
204813550052/204813550052_R07C01	JSL and Pain Progressor	0.007552	0.195565	0.142307	0.072225	0.066318	0.516242
204813550053/204813550053_R04C01	JSL and Pain Progressor	0	0.104438	0.01035	0.020663	0.079792	0.78563
204813550053/204813550053_R05C01	JSL and Pain Progressor	0.09873	0.266117	0.13503	0.032225	0.103154	0.365362
204813550053/204813550053_R06C01	JSL and Pain Progressor	0.010478	0.224884	0.132848	0.089683	0.118235	0.428068
204813550053/204813550053_R07C01	JSL and Pain Progressor	0	0.163779	0.104762	0.008992	0.083462	0.629608
204813550128/204813550128_R04C01	JSL and Pain Progressor	0	0.263466	0.026295	0.02647	0.104441	0.559532
204813550128/204813550128_R05C01	JSL and Pain Progressor	0.193795	0.197506	0.199542	0.037208	0.040254	0.336899
204813550128/204813550128_R06C01	JSL and Pain Progressor	0.00286	0.11683	0.004974	0.021154	0.08763	0.767266
204813550128/204813550128_R07C01	JSL and Pain Progressor	0.080083	0.291743	0.118721	0.08331	0.046655	0.375304
204813560017/204813560017_R04C01	JSL and Pain Progressor	-2.74E-20	0.114605	0	0.03293	0.136195	0.711526
204813560017/204813560017_R05C01	JSL and Pain Progressor	0.05221	0.101756	0.103879	0.025187	0.057297	0.656129
204813560017/204813560017_R06C01	JSL and Pain Progressor	0.007424	0.266151	0.054153	0.07438	0.048329	0.544137
204813560017/204813560017_R07C01	JSL and Pain Progressor	0	0.11307	0.111243	0.056289	0.079205	0.649639
204813560018/204813560018_R04C01	JSL and Pain Progressor	0.027513	0.236068	0.113992	0.049559	0.052462	0.520134
204813560018/204813560018_R05C01	JSL and Pain Progressor	0.003919	0.205445	0.079836	0.065051	0.081471	0.568155
204813560018/204813560018_R06C01	JSL and Pain Progressor	0	0.306331	0.053936	0.095639	0.069965	0.48295
204813560018/204813560018_R07C01	JSL and Pain Progressor	0.067967	0.159825	0.149176	0.055743	0.072911	0.513703
204813560025/204813560025_R03C01	JSL and Pain Progressor	0	0.149432	0.120412	0.055277	0.082852	0.586311
204813560026/204813560026_R04C01	JSL and Pain Progressor	0.053804	0.246922	0.076289	0.094326	0.047886	0.524205
204813560026/204813560026_R05C01	JSL and Pain Progressor	0.013886	0.269	0.112779	0.05339	0.086075	0.479219
204813560026/204813560026_R06C01	JSL and Pain Progressor	0.078973	0.21889	0.122214	0.039995	0.075215	0.49174
204813560026/204813560026_R07C01	JSL and Pain Progressor	0.016302	0.354326	0.005339	0.180614	0.049382	0.395544
204813560085/204813560085_R04C01	JSL and Pain Progressor	0.072238	0.276643	0.128015	0.049879	0.00536	0.471335
204813560085/204813560085_R05C01	JSL and Pain Progressor	0.029879	0.318722	0.059967	0.062207	0.040645	0.479608
204813560085/204813560085_R06C01	JSL and Pain Progressor	0.009806	0.203745	1.08E-19	0.042619	0.059792	0.679094
204813560085/204813560085_R07C01	JSL and Pain Progressor	0	0.295913	0.056505	0.025864	0.065643	0.553605
204813560086/204813560086_R04C01	JSL and Pain Progressor	0.019369	0.256092	0.072067	0.06668	0.043712	0.541175
204813560086/204813560086_R05C01	JSL and Pain Progressor	0.023264	0.152254	0.038046	0.011656	0.088673	0.683117
204813560086/204813560086_R06C01	JSL and Pain Progressor	0.047588	0.362205	0.19121	0.091088	0.049152	0.261886
204813560086/204813560086_R07C01	JSL and Pain Progressor	0.01569	0.225901	0.118003	0.045267	0.084685	0.528989
204813560087/204813560087_R04C01	JSL and Pain Progressor	0.042432	0.22415	0	0.084578	0.059186	0.584478
204813560087/204813560087_R05C01	JSL and Pain Progressor	0.007727	0.117526	0.056063	0.048375	0.072442	0.683222
204813560087/204813560087_R06C01	JSL and Pain Progressor	-1.52E-18	0.219866	0.035342	0	0.084013	0.646636
204813560087/204813560087_R07C01	JSL and Pain Progressor	0.079327	0.210712	0.073539	0.174248	0.051977	0.399861
204813560098/204813560098_R04C01	JSL and Pain Progressor	0.09512	0.097204	0.099362	0.083385	0.042693	0.617649
204813560098/204813560098_R05C01	JSL and Pain Progressor	0.130628	0.162228	0.084376	0.04356	0.093962	0.50974
204813560098/204813560098_R06C01	JSL and Pain Progressor	0.005664	0.287014	0.029971	0.085744	0.069926	0.527542
204813560098/204813560098_R07C01	JSL and Pain Progressor	0.024518	0.222552	0.083863	0.060897	0.07302	0.560308
204813560099/204813560099_R04C01	JSL and Pain Progressor	0.134678	0.318962	0.096786	0.16977	0.057747	0.255684
204813560099/204813560099_R05C01	JSL and Pain Progressor	0.12528	0.127711	0.076681	0.085563	0.08352	0.517928
204813560099/204813560099_R06C01	JSL and Pain Progressor	0.014041	0.383759	0.093666	0.054232	0.09875	0.358467
204813560099/204813560099_R07C01	JSL and Pain Progressor	0.071064	0.214143	0.049149	0.050413	0.055953	0.584339
204813560129/204813560129_R04C01	JSL and Pain Progressor	0.078797	0.306523	0.024344	0.102889	0.04616	0.461141
204813560129/204813560129_R05C01	JSL and Pain Progressor	0.055151	0.257817	0.045503	0.098153	0.09302	0.46059
204813560129/204813560129_R06C01	JSL and Pain Progressor	0.199176	0.055298	0.216218	0.032472	0.050887	0.47493
204813560129/204813560129_R07C01	JSL and Pain Progressor	0.024109	0.15945	0.039153	0.043196	0.072641	0.663028
204813560130/204813560130_R04C01	JSL and Pain Progressor	0	0.105888	0.08055	0.05796	0.09918	0.676765
204813560130/204813560130_R05C01	JSL and Pain Progressor	0.058874	0.385982	0.091184	0.114439	0.025828	0.339189
204813560130/204813560130_R06C01	JSL and Pain Progressor	0.026296	0.159466	0.059276	0.080208	0.060497	0.621256
204813560130/204813560130_R07C01	JSL and Pain Progressor	0.067733	0.351476	0.005752	0.270478	0.04971	0.259274
204813560132/204813560132_R04C01	JSL and Pain Progressor	0.012501	0.229751	0.019786	0.0729	0.069632	0.608855
204813560132/204813560132_R05C01	JSL and Pain Progressor	0.019073	0.295378	0.03235	0.062671	0.01677	0.581891
204813560132/204813560132_R06C01	JSL and Pain Progressor	0.018308	0.363344	0.032024	0.07383	0.034959	0.486225
204813560132/204813560132_R07C01	JSL and Pain Progressor	0.152201	0.298537	0.051873	0.079001	0.075851	0.376631
204813570022/204813570022_R04C01	JSL and Pain Progressor	0.04066	0.176832	0.078456	0.045962	0.108993	0.542243
204813570022/204813570022_R05C01	JSL and Pain Progressor	0.006041	0.165807	0.099248	0.009787	0.107742	0.590133
204813570022/204813570022_R06C01	JSL and Pain Progressor	0.045383	0.338459	0.036435	0.072527	0.094184	0.400004
204813570022/204813570022_R07C01	JSL and Pain Progressor	0	0.169425	0.098027	0.030922	0.084817	0.608761
204813570039/204813570039_R04C01	JSL and Pain Progressor	0.064985	0.193682	0.112663	0.087533	0.026941	0.530805
204813570039/204813570039_R05C01	JSL and Pain Progressor	0.012495	0.27613	0.032747	0.033017	0.053345	0.609571
204813570039/204813570039_R06C01	JSL and Pain Progressor	0	0.197816	0.066431	0.071409	0.031887	0.649313
204813570039/204813570039_R07C01	JSL and Pain Progressor	0.065772	0.328268	0.087056	0.045536	0.05517	0.434256
204813570049/204813570049_R03C01	JSL and Pain Progressor	-6.94E-18	0.269699	0.121299	0.023924	0.072982	0.510767
204813570051/204813570051_R02C01	JSL and Pain Progressor	0	0.148818	0.04375	0.040062	0.082411	0.686932
204813570055/204813570055_R04C01	JSL and Pain Progressor	0.026444	0.332105	0.091965	0.031088	0.081354	0.414249
204813570055/204813570055_R05C01	JSL and Pain Progressor	0.023024	0.294932	0.25824	0.067587	0.121003	0.224343
204813570055/204813570055_R06C01	JSL and Pain Progressor	0.067727	0.336175	0.155632	0.066093	0.070721	0.301429
204813570055/204813570055_R07C01	JSL and Pain Progressor	0.04414	0.170208	0.081635	0.017903	0.101742	0.57648
204813570057/204813570057_R03C01	JSL and Pain Progressor	0	0.254372	0.093697	0.062448	0.039605	0.541911
204813570066/204813570066_R02C01	JSL and Pain Progressor	0.025811	0.29465	0.200896	0.040074	0.036442	0.413706
204813570083/204813570083_R04C01	JSL and Pain Progressor	0.014262	0.19667	0.022608	0.009259	0.063707	0.683696
204813570083/204813570083_R05C01	JSL and Pain Progressor	0.005223	0.101446	0.094938	0.014103	0.069199	0.710519
204813570083/204813570083_R06C01	JSL and Pain Progressor	0	0.380523	-2.41E-20	0.111796	0.073337	0.421261
204813570084/204813570084_R04C01	JSL and Pain Progressor	0.055358	0.279252	0.089352	0.112097	0.020065	0.436359
204813570084/204813570084_R05C01	JSL and Pain Progressor	0	0.262794	0.040968	0.022118	0.045135	0.61989
204813570084/204813570084_R06C01	JSL and Pain Progressor	0.039445	0.21641	0.153558	0.029192	0.086228	0.453349
204813570084/204813570084_R07C01	JSL and Pain Progressor	0	0.283771	0.073753	0.027443	0.137048	0.468449
204813570093/204813570093_R04C01	JSL and Pain Progressor	0.03292	0.216965	0.096314	0.054014	0.082168	0.532774
204813570093/204813570093_R05C01	JSL and Pain Progressor	0.015752	0.164139	0.109645	0.078892	0.062602	0.597131
204813570093/204813570093_R06C01	JSL and Pain Progressor	0.042698	0.128093	0.146676	0.182986	0.157779	0.458834
204813570093/204813570093_R07C01	JSL and Pain Progressor	0.02434	0.285898	0.09193	0.069992	0.08616	0.463242
204813570104/204813570104_R01C01	JSL and Pain Progressor	0.111424	0.195403	0.182497	0.034881	0.079186	0.401736
204813570112/204813570112_R07C01	JSL and Pain Progressor	0.072083	0.390195	0.047242	0.145317	0.089967	0.248599
204813570118/204813570118_R06C01	JSL and Pain Progressor	0.011826	0.260962	0.058106	0.045118	0.030854	0.591277
204813570118/204813570118_R08C01	JSL and Pain Progressor	0.006703	0.19429	0.109881	0.051775	0.05021	0.587323
204813570119/204813570119_R04C01	JSL and Pain Progressor	0	0.152261	0.051499	0.011846	0.09594	0.680574
204813570119/204813570119_R05C01	JSL and Pain Progressor	0.116393	0.145519	0.172632	0.034257	0.096106	0.436143
204813570119/204813570119_R06C01	JSL and Pain Progressor	0.032546	0.249617	0.089567	0.029364	0.049079	0.549692
204813570119/204813570119_R07C01	JSL and Pain Progressor	0.133374	0.31344	0.134975	0.019705	0.092302	0.286795
204813570120/204813570120_R02C01	JSL and Pain Progressor	0.006961	0.203323	0.066843	0.048425	0.120671	0.549911
204813570129/204813570129_R02C01	JSL and Pain Progressor	0.022257	0.255214	0.112092	0.011827	0.074587	0.514519
204813570129/204813570129_R03C01	JSL and Pain Progressor	-1.39E-17	0.404442	0.047917	0.037673	0.091806	0.413787
204813570130/204813570130_R07C01	JSL and Pain Progressor	0.08614	0.154013	0.118534	0.037489	0.083024	0.503677
204813570132/204813570132_R04C01	JSL and Pain Progressor	0.040571	0.200386	0.094477	0.04711	0.054952	0.544158
204813570132/204813570132_R05C01	JSL and Pain Progressor	0.042459	0.427365	0.057948	0.096044	0.056258	0.330557
204813570132/204813570132_R06C01	JSL and Pain Progressor	0.005161	0.191977	0.048285	0.01719	0.066772	0.668929
204813570132/204813570132_R07C01	JSL and Pain Progressor	0.050309	0.165118	0.083717	0.078874	0.060559	0.547226
204813570136/204813570136_R03C01	JSL and Pain Progressor	0.016084	0.217054	0.061735	0.057172	0.104041	0.545266
204813570136/204813570136_R04C01	JSL and Pain Progressor	0	0.270472	0.085463	0.019574	0.077487	0.544914
204813570136/204813570136_R05C01	JSL and Pain Progressor	0	0.22414	0.065451	0.031654	0.056426	0.60782
204813570136/204813570136_R07C01	JSL and Pain Progressor	0.006783	0.216678	0.034131	0.115102	0.069205	0.552727
204813570136/204813570136_R08C01	JSL and Pain Progressor	0.001682	0.207673	0.034599	0.035355	0.06912	0.647921
204813570141/204813570141_R01C01	JSL and Pain Progressor	0.003808	0.317187	0.192161	0.066607	0.044548	0.376238
204813570141/204813570141_R02C01	JSL and Pain Progressor	0	0.239052	0.051599	0.07102	0.058601	0.573451
204813570141/204813570141_R07C01	JSL and Pain Progressor	0.052454	0.282381	0	0.058577	0.056274	0.53592
204842600007/204842600007_R04C01	JSL and Pain Progressor	0.005629	0.236525	0.104903	0.033705	0.067243	0.562722
204842600007/204842600007_R05C01	JSL and Pain Progressor	0.035101	0.264933	0.111882	0.063511	0.070837	0.455717
204842600007/204842600007_R06C01	JSL and Pain Progressor	0.011463	0.287621	0.03689	0.079073	0.022487	0.565451
204842600007/204842600007_R07C01	JSL and Pain Progressor	0.091556	0.258065	0.063027	0.096492	0.056238	0.442643

	CD8T mea	CD8T S.D.	CD4T mea	CD4T SD	NK mean	NK SD	B mean	B SD	Mono me	Mono SD	Gran mea	Gran SD
JSL and pain (dual)	0.0451	0.0457	0.2213	0.0745	0.0855	0.0541	0.0611	0.0397	0.0723	0.0284	0.5188	0.1180
JSL only	0.0357	0.0432	0.2225	0.0713	0.0879	0.0578	0.0467	0.0261	0.0770	0.0275	0.5307	0.0924
Nonprogressor	0.0471	0.0457	0.2216	0.0753	0.0775	0.0484	0.0602	0.0335	0.0719	0.0272	0.5266	0.1155
Pain only	0.0491	0.0441	0.2170	0.0729	0.0696	0.0458	0.0642	0.0375	0.0770	0.0286	0.5260	0.1113

2-tailed *P* values	CD8T	CD4T	NK	B	Mono	Gran
Dual-P vs non-P	0.67	0.90	0.13	0.79	1.00	0.50
JSL-P vs non-P	0.07	1.00	0.38	**0.002**	0.17	0.78
Pain-P vs non-P	0.73	0.51	0.15	0.37	0.16	0.95

*JSL refers to joint space loss = radiographic progressors

204842600008/204842600008_R04C01	JSL and Pain Progressor	0.020315	0.234462	0.052295	0.053518	0.060166	0.601346
204842600008/204842600008_R05C01	JSL and Pain Progressor	0.148344	0.241171	0.092458	0.105058	0.102561	0.347165
204842600008/204842600008_R06C01	JSL and Pain Progressor	0.104995	0.094654	0.141881	0.050997	0.125275	0.500055
204842600008/204842600008_R07C01	JSL and Pain Progressor	0.073363	0.29195	0.028449	0.076858	0.071682	0.486037
204842600016/204842600016_R04C01	JSL and Pain Progressor	0.105773	0.177666	0.16152	0.07092	0.069426	0.457022
204842600016/204842600016_R05C01	JSL and Pain Progressor	0.034179	0.075974	0.046441	0.039227	0.044881	0.777485
204842600016/204842600016_R06C01	JSL and Pain Progressor	0.116328	0.247985	0.083975	0.076401	0.088444	0.401653
204842600016/204842600016_R07C01	JSL and Pain Progressor	0.033806	0.233558	0.12138	0.06001	0.041476	0.546718
204842600018/204842600018_R04C01	JSL and Pain Progressor	0.103017	0.186082	0.098829	0.103786	0.043203	0.5157
204842600018/204842600018_R05C01	JSL and Pain Progressor	0.086179	0.175303	0.043215	0.149682	0.052972	0.519479
204842600018/204842600018_R06C01	JSL and Pain Progressor	0.031562	0.189048	0.107044	0.082265	0.04927	0.571087
204842600018/204842600018_R07C01	JSL and Pain Progressor	0.11015	0.295542	0.082335	0.080932	0.037474	0.417641
204842600022/204842600022_R04C01	JSL and Pain Progressor	0.084036	0.162547	0.052	0.055579	0.096196	0.567523
204842600022/204842600022_R05C01	JSL and Pain Progressor	0.072244	0.197738	0.056239	0.045952	0.080866	0.547963
204842600022/204842600022_R06C01	JSL and Pain Progressor	0	0.127783	0.048657	0.039842	0.084057	0.711265
204842600022/204842600022_R07C01	JSL and Pain Progressor	0.014151	0.272815	0.23235	0.113539	0.122904	0.250571
204842600023/204842600023_R04C01	JSL and Pain Progressor	0.049063	0.190762	0.189015	0.026524	0.070951	0.487325
204842600023/204842600023_R05C01	JSL and Pain Progressor	0.064061	0.314134	0.068228	0.089462	0.21225	0.246472
204842600023/204842600023_R06C01	JSL and Pain Progressor	0.049394	0.270181	0.084713	0.043883	0.081464	0.480681
204842600023/204842600023_R07C01	JSL and Pain Progressor	0.056029	0.354128	0.018314	0.093128	0.06926	0.401182
204842600024/204842600024_R04C01	JSL and Pain Progressor	0.100592	0.199827	0.05332	0.085084	0.035452	0.554058
204842600024/204842600024_R05C01	JSL and Pain Progressor	0.036061	0.288889	0.083451	0.10966	0.041798	0.457312
204842600024/204842600024_R06C01	JSL and Pain Progressor	0.176145	0.113105	0.330476	0.051388	0.041742	0.325157
204842600024/204842600024_R07C01	JSL and Pain Progressor	0.225173	0.206918	0.2258	0.082346	0.088966	0.176055
204842600032/204842600032_R04C01	JSL and Pain Progressor	0.059523	0.115646	0.060132	0.03477	0.086369	0.663484
204842600032/204842600032_R05C01	JSL and Pain Progressor	0.087065	0.107004	0.113006	0.062053	0.069617	0.571786
204842600032/204842600032_R06C01	JSL and Pain Progressor	0.039796	0.263198	0.045439	0.071281	0.0675	0.5162
204842600032/204842600032_R07C01	JSL and Pain Progressor	0.054013	0.150266	0.113609	0.010205	0.103088	0.574585
205003700103/205003700103_R02C01	JSL and Pain Progressor	0.110007	0.250586	0.099528	0.080575	0.069577	0.385736
205003700103/205003700103_R06C01	JSL and Pain Progressor	0.005259	0.253357	0.113107	0	0.06958	0.544416
205003700103/205003700103_R07C01	JSL and Pain Progressor	0.03311	0.082538	0.246598	0.221694	0.064277	0.351435
205003700127/205003700127_R04C01	JSL and Pain Progressor	0.061005	0.127688	0.135362	0.020593	0.08941	0.555133
205062750030/205062750030_R01C01	JSL and Pain Progressor	0.061427	0.196347	0.153983	0.026388	0.12143	0.451176
205062750053/205062750053_R01C01	JSL and Pain Progressor	0.008457	0.164416	0.047805	0.034569	0.034234	0.728347
205062750053/205062750053_R02C01	JSL and Pain Progressor	0.029773	0.283834	0.009909	0.09013	0.049169	0.537672
205062750053/205062750053_R03C01	JSL and Pain Progressor	0.020386	0.210793	0.042183	0.131008	0.043373	0.539846
205062750080/205062750080_R02C01	JSL and Pain Progressor	0.038137	0.229298	0.103943	0.068526	0.048415	0.508092
205062750080/205062750080_R04C01	JSL and Pain Progressor	0.144483	0.150281	0.087294	0.027946	0.117685	0.461623
205062750094/205062750094_R02C01	JSL and Pain Progressor	0.082074	0.227467	0.119135	0.036452	0.131954	0.396342
205062750094/205062750094_R04C01	JSL and Pain Progressor	0.019244	0.198796	0.118342	0.015228	0.059835	0.577372
205062750098/205062750098_R03C01	JSL and Pain Progressor	0.060576	0.200979	0.048622	0.063356	0.066524	0.554328
205062750098/205062750098_R04C01	JSL and Pain Progressor	0	0.184746	0.06351	0.038818	0.124114	0.578443
205062750098/205062750098_R05C01	JSL and Pain Progressor	0.020709	0.2118	0.035372	0.04501	0.068775	0.605685
205062750122/205062750122_R01C01	JSL and Pain Progressor	0.045357	0.241969	0.084667	0.155571	0.089792	0.376098
205062750122/205062750122_R03C01	JSL and Pain Progressor	0.052154	0.123521	0.145739	0.046187	0.064196	0.573013
205062750122/205062750122_R04C01	JSL and Pain Progressor	0.019904	0.127806	0.02429	0.01521	0.122392	0.678138
205089030045/205089030045_R02C01	JSL and Pain Progressor	0.075963	0.282967	0.08743	0.078983	0.018119	0.457673
205089030045/205089030045_R03C01	JSL and Pain Progressor	0.042073	0.19842	0.035469	0.038581	0.043362	0.645494
205089030050/205089030050_R02C01	JSL and Pain Progressor	0.083383	0.365672	0.050731	0.033042	0.072381	0.385428
205089030059/205089030059_R01C01	JSL and Pain Progressor	0	0.148884	0.068699	0.095363	0.088616	0.599287
205089030059/205089030059_R02C01	JSL and Pain Progressor	0.089002	0.225809	0.146399	0.08469	0.077754	0.379778
205089030070/205089030070_R08C01	JSL and Pain Progressor	0.000165	0.345648	0.031553	0.049216	0.064299	0.502488
205089030084/205089030084_R05C01	JSL and Pain Progressor	0.072466	0.256974	0.105438	0.070824	0.019418	0.468157
205089030093/205089030093_R01C01	JSL and Pain Progressor	0.028677	0.185248	0.07177	0.07187	0.125441	0.535816
205089030093/205089030093_R04C01	JSL and Pain Progressor	0.002242	0.274679	0.112457	0.077214	0.055535	0.494912
205089030115/205089030115_R04C01	JSL and Pain Progressor	0.005879	0.125146	0.058369	0.027085	0.069053	0.708919
205089030115/205089030115_R08C01	JSL and Pain Progressor	0.091491	0.180146	0.085981	0.042836	0.066292	0.530163
205128000018/205128000018_R04C01	JSL and Pain Progressor	0	0.182936	0.039821	0.044473	0.13732	0.590349
205128000022/205128000022_R06C01	JSL and Pain Progressor	0.02581	0.175212	0.066637	0.031145	0.057084	0.63607
205128000043/205128000043_R06C01	JSL and Pain Progressor	0	0.138538	0.061206	0.095797	0.093476	0.608466
205128000062/205128000062_R07C01	JSL and Pain Progressor	0.203631	0.195165	0	0.115581	0.050728	0.476834
205128000095/205128000095_R06C01	JSL and Pain Progressor	0.066071	0.202112	0.092609	0.044619	0.083711	0.508004
205128000103/205128000103_R08C01	JSL and Pain Progressor	0.105635	0.379962	0.158285	0.04375	0.053941	0.258526
205437180041/205437180041_R04C01	JSL and Pain Progressor	0.050075	0.200763	0.050661	0.024432	0.062364	0.605568
205437180041/205437180041_R07C01	JSL and Pain Progressor	0.077364	0.210432	0.138037	0.051794	0.135639	0.396612
205437180042/205437180042_R04C01	JSL and Pain Progressor	0.012896	0.213376	0.026815	0.1026	0.076023	0.548891
205437180169/205437180169_R03C01	JSL and Pain Progressor	0	0.153166	0.127304	0.014177	0.08431	0.613901
205437180169/205437180169_R05C01	JSL and Pain Progressor	0.013481	0.212833	0.098427	8.67E-19	0.092808	0.564988
205437180179/205437180179_R04C01	JSL and Pain Progressor	0.113591	0.172509	0.124355	0.0765	0.083437	0.416058
205437190019/205437190019_R03C01	JSL and Pain Progressor	0.02827	0.134969	0.171507	0.070968	0.063146	0.540452
205437190019/205437190019_R06C01	JSL and Pain Progressor	0	0.164092	0.093473	0.030376	0.089369	0.618547
205437190025/205437190025_R03C01	JSL and Pain Progressor	0.091397	0.212872	0.156517	0.091841	0.082721	0.375928
205437190026/205437190026_R06C01	JSL and Pain Progressor	0	0.156444	0.032784	0.03042	0.098272	0.684112
204813550040/204813550040_R04C01	JSL Only Progressor	0.05339	0.175754	0.118378	0.031864	0.099398	0.526102
204813550040/204813550040_R05C01	JSL Only Progressor	0.015535	0.292058	0.117488	0.065935	0.097936	0.400708
204813550040/204813550040_R06C01	JSL Only Progressor	0	0.304397	0.063287	0.030634	0.066938	0.534587
204813550041/204813550041_R08C01	JSL Only Progressor	0	0.270611	0.049303	0.043544	0.036235	0.588186
204813550043/204813550043_R04C01	JSL Only Progressor	0.069712	0.337902	0.120166	0.06	0.067678	0.353303
204813550043/204813550043_R05C01	JSL Only Progressor	0.001265	0.125346	0.069545	0.012616	0.047506	0.741672
204813550043/204813550043_R06C01	JSL Only Progressor	0.056559	0.171762	0.132195	0.082351	0.086428	0.50598
204813550044/204813550044_R04C01	JSL Only Progressor	0	0.418826	0.058753	0.088553	0.071982	0.360001
204813550044/204813550044_R05C01	JSL Only Progressor	0.130123	0.294628	0.047839	0.110941	0.087358	0.324814
204813550044/204813550044_R06C01	JSL Only Progressor	0.076276	0.267621	0	0.064269	0.08758	0.49716
204813550045/204813550045_R04C01	JSL Only Progressor	0.093953	0.139046	0.203177	0.056012	0.06767	0.443561
204813550045/204813550045_R05C01	JSL Only Progressor	0.082109	0.265589	0.093682	0.044519	0.090575	0.425245
204813550045/204813550045_R06C01	JSL Only Progressor	0.031855	0.140454	0.102147	0.027983	0.062266	0.634757
204813550052/204813550052_R08C01	JSL Only Progressor	0.023262	0.12799	0.092674	0.00301	0.165063	0.580653
204813550053/204813550053_R08C01	JSL Only Progressor	0.047823	0.256765	0.00522	0.085518	0.084203	0.528988
204813560016/204813560016_R04C01	JSL Only Progressor	0.014393	0.195958	0.107514	0.057983	0.054647	0.564998
204813560016/204813560016_R05C01	JSL Only Progressor	0.017191	0.132627	0.129129	0	0.082879	0.626163
204813560016/204813560016_R06C01	JSL Only Progressor	0.119251	0.217063	0	0.02618	0.048193	0.588508
204813560017/204813560017_R08C01	JSL Only Progressor	0.011862	0.441247	0.029502	0.03196	0.032327	0.44606
204813560018/204813560018_R08C01	JSL Only Progressor	0	0.234833	0.006006	0.035716	0.079152	0.635967
204813560026/204813560026_R08C01	JSL Only Progressor	0.084907	0.161667	0.172205	0.043334	0.066485	0.475926
204813560043/204813560043_R04C01	JSL Only Progressor	0	0.264161	0.075131	0.01668	0.153226	0.48751
204813560043/204813560043_R05C01	JSL Only Progressor	0	0.209696	0.029834	0.023903	0.087822	0.64662
204813560043/204813560043_R06C01	JSL Only Progressor	0.007327	0.227401	0.045601	0.074618	0.128424	0.512888
204813560044/204813560044_R04C01	JSL Only Progressor	0.004692	0.263838	0.100941	0.035709	0.061935	0.522881
204813560044/204813560044_R05C01	JSL Only Progressor	0	0.341323	0.034208	0.035935	0.011507	0.571858
204813560044/204813560044_R06C01	JSL Only Progressor	0.101589	0.261337	0.151231	0.064258	0.077327	0.342773
204813560091/204813560091_R04C01	JSL Only Progressor	0.068894	0.183671	0.090561	0.046109	0.072417	0.540931
204813560091/204813560091_R05C01	JSL Only Progressor	0.002696	0.223211	0.153861	0.086231	0.100115	0.458635
204813560091/204813560091_R06C01	JSL Only Progressor	0.029864	0.240261	0.097479	0.03611	0.061968	0.527709
204813560118/204813560118_R04C01	JSL Only Progressor	0.139167	0.196483	0.065341	0.063527	0.069822	0.4774
204813560118/204813560118_R05C01	JSL Only Progressor	0.102182	0.304396	0.144782	0.08931	0.066885	0.306848
204813560118/204813560118_R06C01	JSL Only Progressor	0.031112	0.19097	0.053661	0.065864	0.083252	0.590047
204813560127/204813560127_R04C01	JSL Only Progressor	0.060789	0.276984	0.015398	0.026153	0.079871	0.527932
204813560127/204813560127_R05C01	JSL Only Progressor	0.089789	0.281449	0.033865	0.059045	0.059147	0.494346
204813560127/204813560127_R06C01	JSL Only Progressor	0	0.193196	0.111299	0.017326	0.086455	0.597306
204813560128/204813560128_R04C01	JSL Only Progressor	0.02313	0.212892	0.114152	0.082458	0.060361	0.533782
204813560128/204813560128_R05C01	JSL Only Progressor	0.004567	0.16468	0.033108	0.065586	0.076913	0.650734
204813560128/204813560128_R06C01	JSL Only Progressor	0.007173	0.1941	0.076178	0.03356	0.132453	0.56244
204813560131/204813560131_R04C01	JSL Only Progressor	0.052858	0.068817	0.140865	0.028324	0.085153	0.629798
204813560131/204813560131_R05C01	JSL Only Progressor	0	0.206266	0.116741	0.057388	0.128059	0.48488
204813560131/204813560131_R06C01	JSL Only Progressor	0.024588	0.214499	0.08676	0.109621	0.075899	0.50208
204813560132/204813560132_R03C01	JSL Only Progressor	0.038948	0.158036	0.052398	0.026613	0.079234	0.66042
204813570022/204813570022_R08C01	JSL Only Progressor	0	0.212246	0.078866	0.025939	0.084677	0.582892
204813570039/204813570039_R08C01	JSL Only Progressor	0.01272	0.240567	0.032198	0.066045	0.072582	0.585799
204813570049/204813570049_R08C01	JSL Only Progressor	0	0.294733	0.100538	0.065099	0.033517	0.497457
204813570051/204813570051_R07C01	JSL Only Progressor	0	0.201767	0.167946	0.014235	0.005384	0.612733
204813570051/204813570051_R08C01	JSL Only Progressor	0.03734	0.150562	0.172373	0.004694	0.079495	0.547365
204813570055/204813570055_R08C01	JSL Only Progressor	0.133648	0.131492	0.069803	0.041013	0.077893	0.548082
204813570057/204813570057_R08C01	JSL Only Progressor	0.031304	0.376949	0.038913	0.061998	0.030863	0.44658

204813570066/204813570066_R08C01	JSL Only Progressor	0	0.26444	0.088967	0.024826	0.045727	0.562576
204813570082/204813570082_R08C01	JSL Only Progressor	0	0.286535	0.011225	0.010599	0.072706	0.609718
204813570083/204813570083_R08C01	JSL Only Progressor	0.148941	0.080722	0.152718	0.048598	0.11301	0.48824
204813570104/204813570104_R08C01	JSL Only Progressor	0	0.200696	0.100716	0.004397	0.072342	0.611907
204813570105/204813570105_R08C01	JSL Only Progressor	0.005522	0.247685	0.021964	0.030215	0.061986	0.622127
204813570112/204813570112_R06C01	JSL Only Progressor	0.02421	0.208923	0.214808	0.047137	0.057673	0.446436
204813570120/204813570120_R07C01	JSL Only Progressor	0.048089	0.174787	0.210386	0.036901	0.111298	0.4045
204813570120/204813570120_R08C01	JSL Only Progressor	0.176198	0.310667	0.014094	0.046512	0.061361	0.379212
204813570126/204813570126_R04C01	JSL Only Progressor	0.100325	0.329521	0.002501	0.079785	0.042815	0.479477
204813570129/204813570129_R08C01	JSL Only Progressor	0	0.175605	0.137682	0.005017	0.074426	0.588481
204813570130/204813570130_R08C01	JSL Only Progressor	0	0.210315	0.069783	0.022133	0.10192	0.593538
204813570132/204813570132_R03C01	JSL Only Progressor	0	0.145727	0.059014	0.067143	0.117252	0.607695
204842600007/204842600007_R08C01	JSL Only Progressor	0	0.205671	0.100269	0.050727	0.085437	0.555015
204842600008/204842600008_R08C01	JSL Only Progressor	0	0.167188	0.050918	0.035226	0.091192	0.671099
204842600016/204842600016_R08C01	JSL Only Progressor	0.052696	0.261389	0.263796	0.10661	0.08697	0.250526
204842600018/204842600018_R08C01	JSL Only Progressor	0	0.249528	0.062145	0.049148	0.081612	0.555682
204842600022/204842600022_R08C01	JSL Only Progressor	0	0.157969	0.07394	0.067982	0.075474	0.622923
204842600023/204842600023_R08C01	JSL Only Progressor	0.038954	0.194148	0.079369	0.063896	0.080443	0.544444
204842600024/204842600024_R08C01	JSL Only Progressor	0.003236	0.363864	0.032473	0.045014	0.086337	0.466345
204842600032/204842600032_R08C01	JSL Only Progressor	0.01012	0.218174	0.0581	0.046703	0.049853	0.617444
205062750030/205062750030_R07C01	JSL Only Progressor	0.03672	0.221585	0.022471	0.033725	0.052732	0.630238
205062750053/205062750053_R08C01	JSL Only Progressor	0.028197	0.189607	0.218502	0	0.102375	0.455975
205062750122/205062750122_R07C01	JSL Only Progressor	0.033748	0.211311	0.089805	0.043534	0.057396	0.557187
205062750122/205062750122_R08C01	JSL Only Progressor	0.067024	0.211106	0.09643	0.067649	0.08043	0.476716
205089030006/205089030006_R08C01	JSL Only Progressor	0.010306	0.168741	0.092863	0.071056	0.051257	0.604644
205089030045/205089030045_R08C01	JSL Only Progressor	0.026867	0.140963	0.168637	0.065545	0.069849	0.529432
205089030050/205089030050_R07C01	JSL Only Progressor	0.020051	0.166602	0.049188	0.039277	0.075702	0.645604
205089030050/205089030050_R08C01	JSL Only Progressor	0.012274	0.308379	0.04459	0.03475	0.088844	0.496272
205089030059/205089030059_R07C01	JSL Only Progressor	0	0.159969	0.045928	0.052651	0.100631	0.646588
205089030059/205089030059_R08C01	JSL Only Progressor	0	0.187292	0.093352	0.056333	0.12778	0.538246
205437180042/205437180042_R05C01	JSL Only Progressor	0.111497	0.143536	0.193508	0	0.054669	0.492288
204813550040/204813550040_R01C01	Non Progressor	0.152455	0.379705	0.02852	0.105635	0.069115	0.289118
204813550040/204813550040_R02C01	Non Progressor	0.031086	0.286563	0.027549	0.091264	0.048573	0.523298
204813550040/204813550040_R03C01	Non Progressor	0.025791	0.238585	0.12947	0.089087	0.104393	0.440944
204813550041/204813550041_R01C01	Non Progressor	0.035749	0.117811	0.067079	0.046272	0.078842	0.668782
204813550041/204813550041_R02C01	Non Progressor	0	0.211251	0.002471	0.035735	0.07102	0.680165
204813550041/204813550041_R03C01	Non Progressor	0.041201	0.321242	0.098028	0.050088	0.045623	0.437666
204813550042/204813550042_R01C01	Non Progressor	0.02867	0.23127	0.074256	0.066893	0.041529	0.588471
204813550042/204813550042_R02C01	Non Progressor	0.068879	0.178967	0.088682	0.052297	0.062655	0.552593
204813550042/204813550042_R03C01	Non Progressor	0.062312	0.132877	0.23146	0.059331	0.053455	0.500455
204813550043/204813550043_R01C01	Non Progressor	0.092377	0.310285	0.037069	0.075236	0.045071	0.433427
204813550043/204813550043_R02C01	Non Progressor	0.240742	0.110008	0.080405	0.068167	0.064649	0.465554
204813550043/204813550043_R03C01	Non Progressor	0	0.189777	0.085451	0.044389	0.108417	0.575575
204813550044/204813550044_R01C01	Non Progressor	0.121829	0.159748	0.122913	0.013873	0.050155	0.531548
204813550044/204813550044_R02C01	Non Progressor	0.031789	0.217993	0.028877	0.091592	0.043644	0.608549
204813550044/204813550044_R03C01	Non Progressor	0.074241	0.203529	0.168581	0.091027	0.117487	0.3554
204813550045/204813550045_R01C01	Non Progressor	0	0.127282	0.075064	0.067541	0.077107	0.675281
204813550045/204813550045_R02C01	Non Progressor	0.008901	0.06786	0.020495	0.021268	0.098045	0.781179
204813550045/204813550045_R03C01	Non Progressor	0.026023	0.161219	0.06387	0.076956	0.057123	0.639343
204813550052/204813550052_R01C01	Non Progressor	0.091948	0.135522	0.229419	0.04638	0.07537	0.414784
204813550052/204813550052_R02C01	Non Progressor	0.056022	0.209746	0.021911	0.053986	0.070105	0.573512
204813550052/204813550052_R03C01	Non Progressor	0.072601	0.233841	0.044556	0.040555	0.087768	0.510491
204813550053/204813550053_R01C01	Non Progressor	0.042676	0.22988	0.132222	0.084973	0.053104	0.439832
204813550053/204813550053_R02C01	Non Progressor	0.005738	0.183463	0.110492	0.021755	0.058923	0.61263
204813550053/204813550053_R03C01	Non Progressor	0.006286	0.253255	0.026942	0.231372	0.138086	0.335999
204813550128/204813550128_R01C01	Non Progressor	0.027183	0.347648	0.118446	0.128549	0.069008	0.310669
204813550128/204813550128_R02C01	Non Progressor	0.016661	0.200964	0.051888	0.031377	0.050467	0.649438
204813550128/204813550128_R03C01	Non Progressor	0.028561	0.191312	0.127197	0.047484	0.066712	0.552597
204813550139/204813550139_R01C01	Non Progressor	-1.73E-18	0.379501	0.095655	0.065885	0.028417	0.440917
204813550139/204813550139_R02C01	Non Progressor	-6.94E-18	0.173576	0.107871	0.049438	0.06302	0.63189
204813550139/204813550139_R03C01	Non Progressor	0.056362	0.249569	0.10261	0.125184	0.084644	0.411898
204813550140/204813550140_R01C01	Non Progressor	0.065132	0.120362	0.059249	0.022255	0.057165	0.682046
204813550140/204813550140_R02C01	Non Progressor	0.042539	0.194399	0.0538	0.058102	0.120819	0.550003
204813550140/204813550140_R03C01	Non Progressor	0.10115	0.200858	0.085489	0.131945	0.056001	0.440267
204813560016/204813560016_R01C01	Non Progressor	0.047124	0.243335	0.023864	0.049636	0.070655	0.579868
204813560016/204813560016_R02C01	Non Progressor	0.001246	0.20658	0.074867	0.031408	0.055186	0.631875
204813560016/204813560016_R03C01	Non Progressor	0.023012	0.333399	0.085252	0.019694	0.034086	0.488103
204813560017/204813560017_R01C01	Non Progressor	0.059653	0.149949	0.077317	0.054874	0.066848	0.579049
204813560017/204813560017_R02C01	Non Progressor	0	0.270277	0.151253	0.046121	0.093921	0.441885
204813560017/204813560017_R03C01	Non Progressor	0.039607	0.195602	0.032511	0.036852	0.086666	0.614445
204813560018/204813560018_R01C01	Non Progressor	0.097077	0.243529	0.002736	0.132509	0.060844	0.455535
204813560018/204813560018_R02C01	Non Progressor	0.116571	0.248935	0.034431	0.142317	0.026085	0.437929
204813560018/204813560018_R03C01	Non Progressor	0.022519	0.134735	0.073463	0.037073	0.0704	0.667024
204813560026/204813560026_R01C01	Non Progressor	0.030225	0.380412	0.049615	0.078623	0.018443	0.460304
204813560026/204813560026_R02C01	Non Progressor	0	0.194766	0.102264	0.083693	0.060507	0.570147
204813560026/204813560026_R03C01	Non Progressor	5.42E-20	0.131416	0.128286	0.040645	0.07126	0.63753
204813560043/204813560043_R01C01	Non Progressor	0.042483	0.218479	0.087491	0.064465	0.013891	0.604138
204813560043/204813560043_R02C01	Non Progressor	0.088631	0.22274	0.037192	0.055289	0.114009	0.486
204813560043/204813560043_R03C01	Non Progressor	0.103472	0.234318	0.055474	0.086014	0.06558	0.469934
204813560044/204813560044_R01C01	Non Progressor	0.005699	0.358878	0.113965	0.087871	0.030193	0.414132
204813560044/204813560044_R02C01	Non Progressor	0.09875	0.1722	0.104094	0.071204	0.013028	0.583425
204813560044/204813560044_R03C01	Non Progressor	0.083341	0.243839	0.069158	0.119374	0.084513	0.41811
204813560085/204813560085_R01C01	Non Progressor	0.054949	0.227782	0.176161	0.036104	0.075699	0.42877
204813560085/204813560085_R02C01	Non Progressor	0.04098	0.196306	0.033944	0.061364	0.05982	0.604537
204813560085/204813560085_R03C01	Non Progressor	0	0.196163	0.069106	0.044393	0.112054	0.573825
204813560086/204813560086_R01C01	Non Progressor	0.055706	0.249916	0.070431	0.056964	0.050947	0.507345
204813560086/204813560086_R02C01	Non Progressor	0	0.228161	0.074773	0.108774	0.091237	0.493823
204813560086/204813560086_R03C01	Non Progressor	0.03081	0.141182	0.067915	0.018518	0.113346	0.629711
204813560087/204813560087_R01C01	Non Progressor	0.078266	0.184644	0.069573	0.05993	0.050283	0.542063
204813560087/204813560087_R02C01	Non Progressor	0.02962	0.193234	0.07982	0.024173	0.08436	0.569589
204813560087/204813560087_R03C01	Non Progressor	0.01414	0.134211	0.09556	0.025826	0.105844	0.615931
204813560091/204813560091_R01C01	Non Progressor	0	0.324685	0.077808	0.10923	0.088941	0.418228
204813560091/204813560091_R02C01	Non Progressor	0.111519	0.244344	0.076428	0.117895	0.047754	0.435403
204813560091/204813560091_R03C01	Non Progressor	0	0.271911	0.049714	0.116257	0.058862	0.541616
204813560098/204813560098_R01C01	Non Progressor	0.064227	0.309469	0.228548	0.061658	0.060147	0.286793
204813560098/204813560098_R02C01	Non Progressor	0.039811	0.192678	0.028056	0.023649	0.080957	0.632885
204813560098/204813560098_R03C01	Non Progressor	0.093289	0.164006	0.031781	0.068721	0.041041	0.615067
204813560099/204813560099_R01C01	Non Progressor	0.038998	0.294542	0.020862	0.057471	0.047758	0.536759
204813560099/204813560099_R02C01	Non Progressor	0.053881	0.196045	0.048593	0.049849	0.134325	0.522862
204813560099/204813560099_R03C01	Non Progressor	0.018594	0.321823	0.004257	0.102525	0.035867	0.495231
204813560118/204813560118_R01C01	Non Progressor	0.081786	0.183508	0.0789	0.090172	0.024796	0.564032
204813560118/204813560118_R02C01	Non Progressor	0.075985	0.179502	0.045727	0.092581	0.065297	0.573329
204813560118/204813560118_R03C01	Non Progressor	0.029821	0.137783	0.094979	0.104613	0.052732	0.609855
204813560127/204813560127_R01C01	Non Progressor	0.047832	0.291721	0.02509	0.073753	0.067951	0.519852
204813560127/204813560127_R02C01	Non Progressor	0.06893	0.127067	0.050558	0.113514	0.070311	0.596119
204813560127/204813560127_R03C01	Non Progressor	0.017294	0.206072	0.087761	0.066074	0.059486	0.584084
204813560128/204813560128_R01C01	Non Progressor	0.148743	0.30308	0.163808	0.061898	0.031735	0.293719
204813560128/204813560128_R02C01	Non Progressor	0.022883	0.137896	0.07468	0.061914	0.109137	0.601524
204813560128/204813560128_R03C01	Non Progressor	0.132106	0.203158	0.014726	0.105109	0.041633	0.543955
204813560129/204813560129_R01C01	Non Progressor	0.072435	0.222654	0.03916	0.087511	0.081877	0.499975
204813560129/204813560129_R02C01	Non Progressor	0.011288	0.24269	0.060222	0.051171	0.065054	0.570925
204813560129/204813560129_R03C01	Non Progressor	0.012429	0.219756	0.042886	0.061147	0.059206	0.612134
204813560130/204813560130_R01C01	Non Progressor	0.003558	0.182598	0.096174	0.16529	0.049214	0.50897
204813560130/204813560130_R02C01	Non Progressor	0	0.14344	0.040103	0.021048	0.055141	0.740319
204813560130/204813560130_R03C01	Non Progressor	0.114267	0.397825	0.079018	0.054795	0.068928	0.293978
204813560131/204813560131_R01C01	Non Progressor	0	0.159924	0.020531	0.043956	0.083689	0.705584
204813560131/204813560131_R02C01	Non Progressor	0.044572	0.157552	0.088361	0.035646	0.051897	0.633053
204813560132/204813560132_R01C01	Non Progressor	0.041307	0.147619	0.060874	0.029296	0.122442	0.600772
204813560132/204813560132_R02C01	Non Progressor	0	0.216654	0.047028	0.054236	0.09247	0.597354
204813570022/204813570022_R01C01	Non Progressor	0.061974	0.416998	0	0.060558	0.073484	0.368787
204813570022/204813570022_R02C01	Non Progressor	0.027531	0.267171	0.199822	0.184488	0.154763	0.1884
204813570022/204813570022_R03C01	Non Progressor	0.068019	0.149657	0.078052	0.055101	0.09783	0.550798
204813570039/204813570039_R01C01	Non Progressor	0.033561	0.344472	0.181878	0.058898	0.097001	0.303161

204813570039/204813570039_R02C01	Non Progressor	0.070664	0.286184	0.110501	0.046439	0.078145	0.41786
204813570039/204813570039_R03C01	Non Progressor	0.098394	0.229309	0.226986	0.093017	0.109736	0.257953
204813570055/204813570055_R01C01	Non Progressor	0.101758	0.101922	0.127761	0.046355	0.087476	0.523794
204813570055/204813570055_R02C01	Non Progressor	0	0.136805	0.06476	0.084457	0.064238	0.645457
204813570055/204813570055_R03C01	Non Progressor	0.011744	0.260295	0.035871	0.010737	0.0923	0.572561
204813570083/204813570083_R01C01	Non Progressor	0.073671	0.25496	0.08917	0.088951	0.069852	0.421345
204813570083/204813570083_R02C01	Non Progressor	0.049249	0.322414	0.112514	0.080053	0.123086	0.304724
204813570083/204813570083_R03C01	Non Progressor	0.041338	0.157281	0.050004	0.026002	0.059468	0.655076
204813570084/204813570084_R01C01	Non Progressor	0.075673	0.213828	0.146714	0.08822	0.059923	0.423633
204813570084/204813570084_R02C01	Non Progressor	0.026265	0.261415	0.014707	0.035874	0.035627	0.612
204813570084/204813570084_R03C01	Non Progressor	0.010139	0.225703	0.065285	0.031336	0.078931	0.574591
204813570093/204813570093_R01C01	Non Progressor	0.099916	0.254376	0.033019	0.084699	0.061209	0.498819
204813570093/204813570093_R02C01	Non Progressor	0.05892	0.371321	0.02419	0.054017	0.091205	0.410697
204813570093/204813570093_R03C01	Non Progressor	0.100805	0.33756	0.106298	0.102509	0.069102	0.295277
204813570112/204813570112_R04C01	Non Progressor	0	0.144466	0.065566	0.038221	0.07651	0.678458
204813570118/204813570118_R05C01	Non Progressor	0.002091	0.443873	0.134049	0.044877	0.015707	0.341587
204813570119/204813570119_R01C01	Non Progressor	0	0.359953	0.052715	0.053872	0.030973	0.486901
204813570119/204813570119_R02C01	Non Progressor	0.225603	0.038004	0.010358	0.028654	0.12073	0.56047
204813570119/204813570119_R03C01	Non Progressor	0.005337	0.257476	0.124601	0.037471	0.07824	0.513354
204813570120/204813570120_R03C01	Non Progressor	0.012734	0.187933	0.0334	0.030504	0.073169	0.653086
204813570120/204813570120_R04C01	Non Progressor	0.134645	0.14711	0.175275	0.060689	0.064047	0.424515
204813570126/204813570126_R01C01	Non Progressor	0.049405	0.248079	0.08644	0.069833	0.06238	0.494786
204813570126/204813570126_R02C01	Non Progressor	0	0.263187	0.086154	0.064207	0.045149	0.558547
204813570126/204813570126_R03C01	Non Progressor	0.012264	0.107181	0.050717	0.034709	0.094984	0.712998
204813570130/204813570130_R03C01	Non Progressor	0.019876	0.103842	0.067693	0.019037	0.063025	0.71646
204813570132/204813570132_R01C01	Non Progressor	0.143834	0.228043	0.085064	0.076061	0.064545	0.380837
204813570132/204813570132_R02C01	Non Progressor	0.05618	0.2504	0.115652	0.068977	0.07235	0.436628
204813570140/204813570140_R01C01	Non Progressor	0.087385	0.149717	0.052173	0.110207	0.027998	0.624266
204813570140/204813570140_R02C01	Non Progressor	0.08232	0.191648	0.109382	0.04436	0.114791	0.47379
204842600007/204842600007_R01C01	Non Progressor	0.026616	0.235919	0.071079	0.07059	0.067038	0.541413
204842600007/204842600007_R02C01	Non Progressor	0.044079	0.23079	0.043112	0.075698	0.135875	0.470999
204842600007/204842600007_R03C01	Non Progressor	0.107701	0.220911	0.061294	0.052758	0.100494	0.456238
204842600008/204842600008_R01C01	Non Progressor	0.028716	0.293227	0.053375	0.047986	0.055263	0.537722
204842600008/204842600008_R02C01	Non Progressor	0	0.231203	0.025647	0.065724	0.07485	0.625005
204842600008/204842600008_R03C01	Non Progressor	0.02557	0.090567	0.042811	0.038669	0.059062	0.76811
204842600016/204842600016_R01C01	Non Progressor	0.15464	0.26252	0.169586	0.071199	0.086452	0.269806
204842600016/204842600016_R02C01	Non Progressor	0	0.189539	0.086478	0.044281	0.063893	0.631583
204842600016/204842600016_R03C01	Non Progressor	0.078298	0.162283	0.056786	0.058017	0.095437	0.574189
204842600018/204842600018_R01C01	Non Progressor	0.130421	0.333646	0.04752	0.076856	0.054733	0.387484
204842600018/204842600018_R02C01	Non Progressor	0.053812	0.237654	0.147834	0.09206	0.074461	0.415578
204842600018/204842600018_R03C01	Non Progressor	0.061647	0.149595	0.127476	0.040964	0.050279	0.572484
204842600022/204842600022_R01C01	Non Progressor	0	0.193495	0.03404	0.069433	0.043111	0.656726
204842600022/204842600022_R02C01	Non Progressor	0.062076	0.280319	0.089132	0.043168	0.10976	0.405803
204842600022/204842600022_R03C01	Non Progressor	0.011134	0.100105	0.029826	0.054884	0.120125	0.688469
204842600023/204842600023_R01C01	Non Progressor	0.010718	0.334209	0.066887	0.086032	0.094246	0.407139
204842600023/204842600023_R02C01	Non Progressor	0.032147	0.320996	0.085044	0.043339	0.068653	0.439286
204842600023/204842600023_R03C01	Non Progressor	0.072155	0.439801	0.062721	0.094368	0.045679	0.281915
204842600024/204842600024_R01C01	Non Progressor	0	0.28999	0.00386	0.050121	0.056429	0.591516
204842600024/204842600024_R02C01	Non Progressor	0.01894	0.263944	0.085214	0.078282	0.062011	0.493499
204842600024/204842600024_R03C01	Non Progressor	0.061033	0.193304	0.074974	0.058054	0.051283	0.575767
204842600032/204842600032_R01C01	Non Progressor	0.026601	0.119309	0.071843	0.00763	0.065996	0.705594
204842600032/204842600032_R02C01	Non Progressor	0.075712	0.122904	0.073312	0.053151	0.086669	0.58551
204842600032/204842600032_R03C01	Non Progressor	0.067627	0.304811	0.195676	0.060395	0.084149	0.303731
205003700103/205003700103_R03C01	Non Progressor	0.036044	0.347102	0.080898	0.042006	0.069452	0.41529
205003700103/205003700103_R04C01	Non Progressor	0.10936	0.166661	0.071137	0.071117	0.078607	0.50158
205003700103/205003700103_R05C01	Non Progressor	0	0.30079	0.160923	0.02899	0.075849	0.41522
205003700127/205003700127_R02C01	Non Progressor	0.036863	0.172414	0.047294	0.012904	0.066389	0.658402
205003700127/205003700127_R03C01	Non Progressor	0.033189	0.157371	0.071585	0.052232	0.040414	0.630933
205003700127/205003700127_R07C01	Non Progressor	0.016308	0.227196	0.065721	0.036893	0.053381	0.595676
205003700127/205003700127_R08C01	Non Progressor	0.121771	0.245685	0.12807	0.092676	0.073974	0.350006
205062750030/205062750030_R03C01	Non Progressor	0.08571	0.091194	0.132305	0.019882	0.091979	0.582966
205062750053/205062750053_R04C01	Non Progressor	0.096369	0.21095	0.065059	0.110117	0.056747	0.455958
205062750053/205062750053_R05C01	Non Progressor	8.67E-19	0.221803	0.06896	0.093795	0.069585	0.55034
205062750080/205062750080_R05C01	Non Progressor	0.221273	0.141708	0.175484	0.024223	0.082151	0.347974
205062750080/205062750080_R06C01	Non Progressor	0	0.379697	0.071642	0.031875	0.125898	0.380493
205062750094/205062750094_R06C01	Non Progressor	0.02283	0.266675	0.01568	0.013909	0.081987	0.589032
205089030006/205089030006_R04C01	Non Progressor	0.040434	0.246585	0.012456	0.020413	0.086026	0.590193
205089030006/205089030006_R05C01	Non Progressor	0.170966	0.203166	0.161554	0.067698	0.056912	0.379746
205089030006/205089030006_R06C01	Non Progressor	0.047474	0.226368	0.058196	0.022644	0.069507	0.574009
205089030045/205089030045_R05C01	Non Progressor	0	0.197892	0.019046	0.026134	0.059575	0.692434
205089030045/205089030045_R06C01	Non Progressor	0.015538	0.177194	0.108525	0.069774	0.068966	0.555983
205089030050/205089030050_R04C01	Non Progressor	0	0.172334	0.029259	0.027859	0.104599	0.669774
205089030059/205089030059_R03C01	Non Progressor	0.005999	0.206983	0.071692	0.033484	0.076375	0.593986
205089030059/205089030059_R04C01	Non Progressor	0	0.24697	0.044006	0.032708	0.117591	0.551538
205089030070/205089030070_R02C01	Non Progressor	0	0.243188	0.169623	0.038435	0.036302	0.510119
205089030082/205089030082_R01C01	Non Progressor	0.054767	0.259146	0.103746	0.058578	0.043542	0.479817
205089030082/205089030082_R03C01	Non Progressor	0	0.209709	0.071165	0.00661	0.116854	0.586561
205089030084/205089030084_R01C01	Non Progressor	0.006702	0.298685	0.025776	0.017298	0.054557	0.584164
205089030084/205089030084_R02C01	Non Progressor	0.049254	0.244348	0.118156	0.074673	0.067541	0.451362
205089030084/205089030084_R03C01	Non Progressor	0	0.250264	0.048336	0.025199	0.054037	0.609863
205089030084/205089030084_R04C01	Non Progressor	0	0.211435	0.038264	0.033114	0.07548	0.629755
205089030084/205089030084_R06C01	Non Progressor	0.042026	0.168923	0.022838	0.073584	0.151743	0.538024
205089030084/205089030084_R07C01	Non Progressor	0.004163	0.151978	0.047184	0.024958	0.104357	0.666789
205089030084/205089030084_R08C01	Non Progressor	0.05749	0.24114	0.063474	0.042638	0.108362	0.474929
205089030093/205089030093_R06C01	Non Progressor	0.043157	0.189866	0.075964	0.05368	0.051666	0.598216
205089030115/205089030115_R02C01	Non Progressor	0.039297	0.347123	0.060923	0.059955	0.023183	0.475422
205089030115/205089030115_R07C01	Non Progressor	0.021015	0.139925	0.012502	0.036841	0.102593	0.674865
205128000022/205128000022_R02C01	Non Progressor	0.050932	0.190382	0.159779	0.02013	0.127422	0.451854
205128000043/205128000043_R02C01	Non Progressor	0.046721	0.260808	0.148023	0.083443	0.08888	0.370233
205128000043/205128000043_R05C01	Non Progressor	0.012182	0.080631	0.058753	0.009219	0.10257	0.733891
205128000062/205128000062_R06C01	Non Progressor	0	0.22802	0.046464	0.006644	0.077202	0.64618
205128000095/205128000095_R02C01	Non Progressor	0	0.294734	0.064756	0.02375	0.036595	0.563271
205128000095/205128000095_R08C01	Non Progressor	0.055488	0.106529	0.046139	0.050981	0.048715	0.708455
205128000103/205128000103_R02C01	Non Progressor	0.081785	0.190648	0.046867	0.070343	0.060754	0.550574
205437180169/205437180169_R02C01	Non Progressor	0.055622	0.211596	0.033953	0.055929	0.051827	0.592243
205437190025/205437190025_R04C01	Non Progressor	0.05331	0.182603	0.130504	0.052538	0.085985	0.494902
205437190025/205437190025_R08C01	Non Progressor	0.005164	0.189787	0.053946	0.046522	0.063373	0.641304
204813550040/204813550040_R07C01	Pain Only Progressor	0	0.187904	0.033749	0.013324	0.096176	0.657669
204813550040/204813550040_R08C01	Pain Only Progressor	0.091644	0.221161	0.088129	0.043376	0.052062	0.501302
204813550042/204813550042_R08C01	Pain Only Progressor	0.013274	0.105743	0.04413	0.012308	0.083975	0.751645
204813550043/204813550043_R07C01	Pain Only Progressor	0.169635	0.059849	0.144641	0.030438	0.074735	0.513694
204813550043/204813550043_R08C01	Pain Only Progressor	0.089485	0.221264	0.098289	0.025507	0.052949	0.511626
204813550044/204813550044_R07C01	Pain Only Progressor	0.01411	0.326355	0.120905	0.038444	0.078981	0.421937
204813550044/204813550044_R08C01	Pain Only Progressor	0.056781	0.187859	0.004266	0.103922	0.149163	0.496738
204813550045/204813550045_R07C01	Pain Only Progressor	0	0.172126	0.010933	0.021324	0.06292	0.739883
204813550045/204813550045_R08C01	Pain Only Progressor	0.062074	0.199825	0.160855	0.026348	0.084794	0.452266
204813550128/204813550128_R08C01	Pain Only Progressor	0.044652	0.303147	0.176873	0.066378	0.057753	0.3544
204813550139/204813550139_R04C01	Pain Only Progressor	0.104872	0.163532	0.004056	0.141489	0.152971	0.46534
204813550139/204813550139_R05C01	Pain Only Progressor	0.036432	0.124677	0.068445	0.034501	0.079114	0.677451
204813550139/204813550139_R06C01	Pain Only Progressor	0.059893	0.184089	0.115026	0.066109	0.074752	0.517704
204813550139/204813550139_R07C01	Pain Only Progressor	0.146765	0.17639	0.122449	0.071893	0.060941	0.45469
204813550139/204813550139_R08C01	Pain Only Progressor	0.03117	0.211707	0.025015	0.07167	0.056587	0.602218
204813550140/204813550140_R04C01	Pain Only Progressor	0.029016	0.233306	0.068109	0.112206	0.022312	0.557834
204813550140/204813550140_R05C01	Pain Only Progressor	0.031249	0.211137	0.051917	0.108835	0.083891	0.550913
204813550140/204813550140_R06C01	Pain Only Progressor	0.015923	0.361473	0.00206	0.07404	0.025808	0.530322
204813550140/204813550140_R07C01	Pain Only Progressor	0.099569	0.25898	0.013407	0.113264	0.073312	0.474921
204813550140/204813550140_R08C01	Pain Only Progressor	0	0.237333	0.036978	0.068175	0.096977	0.555057
204813560016/204813560016_R07C01	Pain Only Progressor	0	0.183796	0.121004	0.041023	0.105841	0.541243
204813560016/204813560016_R08C01	Pain Only Progressor	0	0.266162	0.014517	0.093337	0.081274	0.529342
204813560025/204813560025_R07C01	Pain Only Progressor	0.054175	0.156921	0.082419	0.036066	0.104745	0.567785
204813560043/204813560043_R07C01	Pain Only Progressor	0.029242	0.196701	0.069162	0.081823	0.086912	0.538373
204813560043/204813560043_R08C01	Pain Only Progressor	-3.78E-19	0.392963	0	0.084938	0.099448	0.41388
204813560044/204813560044_R07C01	Pain Only Progressor	0.087326	0.304241	0.013528	0.054891	0.060146	0.494658

204813560044/204813560044_R08C01	Pain Only Progressor	0.019106	0.153613	0.063198	0.068576	0.050607	0.639471
204813560085/204813560085_R08C01	Pain Only Progressor	0	0.145919	0.033731	0.002144	0.099637	0.709325
204813560086/204813560086_R08C01	Pain Only Progressor	0.042782	0.230346	0.090952	0.034584	0.066173	0.528776
204813560087/204813560087_R08C01	Pain Only Progressor	0.097337	0.197893	0.0973	0.105482	0.137944	0.353854
204813560091/204813560091_R07C01	Pain Only Progressor	0.042699	0.220171	0.080256	0.044204	0.086693	0.541668
204813560091/204813560091_R08C01	Pain Only Progressor	0.191042	0.198068	0.024889	0.096577	0.012223	0.527108
204813560098/204813560098_R08C01	Pain Only Progressor	0.019701	0.329526	0.084582	0.067835	0.064487	0.432254
204813560099/204813560099_R08C01	Pain Only Progressor	0.133323	0.345685	0.11541	0.109083	0.069981	0.224336
204813560118/204813560118_R07C01	Pain Only Progressor	0.044541	0.131612	0.009022	0.041181	0.029697	0.754541
204813560118/204813560118_R08C01	Pain Only Progressor	0.045463	0.152976	0.039331	0.051582	0.031316	0.688322
204813560127/204813560127_R07C01	Pain Only Progressor	0.089559	0.293228	0.005909	0.091783	0.085446	0.445757
204813560127/204813560127_R08C01	Pain Only Progressor	0.051344	0.197999	0.0482	0.046118	0.087453	0.577873
204813560128/204813560128_R07C01	Pain Only Progressor	0	0.217277	0.100892	0.031262	0.086166	0.573596
204813560128/204813560128_R08C01	Pain Only Progressor	0.070071	0.148107	0.120773	0.01436	0.101832	0.554295
204813560129/204813560129_R08C01	Pain Only Progressor	0.178719	0.188801	0.08295	0.098833	0.059961	0.393992
204813560130/204813560130_R08C01	Pain Only Progressor	0.039511	0.17911	0	0.072564	0.065805	0.645916
204813560131/204813560131_R03C01	Pain Only Progressor	0.019325	0.305326	0.050793	0.099695	0.041953	0.476951
204813560131/204813560131_R07C01	Pain Only Progressor	0.155439	0.309981	0.096502	0.180759	0.036422	0.217686
204813560131/204813560131_R08C01	Pain Only Progressor	0.138463	0.265636	0.0605	0.055902	0.052719	0.422114
204813560132/204813560132_R08C01	Pain Only Progressor	0.064241	0.131748	0.035431	0.067427	0.062362	0.642726
204813570040/204813570040_R05C01	Pain Only Progressor	0.048902	0.178623	0.072894	0.096461	0.050091	0.548663
204813570040/204813570040_R06C01	Pain Only Progressor	0.010733	0.266439	0.147629	0.07585	0.08858	0.391679
204813570049/204813570049_R07C01	Pain Only Progressor	0.026112	0.285951	0.111293	0.054638	0.072631	0.447732
204813570051/204813570051_R06C01	Pain Only Progressor	0.01165	0.128319	0.099758	0.046182	0.104325	0.60562
204813570057/204813570057_R07C01	Pain Only Progressor	0.038232	0.234727	0.067127	0.046127	0.090341	0.519409
204813570066/204813570066_R05C01	Pain Only Progressor	0.047133	0.313441	0	0.069152	0.059735	0.487469
204813570066/204813570066_R06C01	Pain Only Progressor	0.083919	0.21393	0.108188	0.071794	0.06122	0.449322
204813570082/204813570082_R07C01	Pain Only Progressor	0.086923	0.211868	0.07862	0.199319	0.063724	0.351996
204813570084/204813570084_R08C01	Pain Only Progressor	0.042658	0.254712	0.135974	0.040193	0.042776	0.475135
204813570093/204813570093_R08C01	Pain Only Progressor	0.054949	0.299788	0.191052	0.064372	0.096161	0.344181
204813570104/204813570104_R05C01	Pain Only Progressor	0.041204	0.283396	0.123601	0.013011	0.081003	0.444836
204813570104/204813570104_R06C01	Pain Only Progressor	0.051375	0.166717	0	0.034626	0.095383	0.641347
204813570105/204813570105_R07C01	Pain Only Progressor	0.004599	0.141749	0.06191	0.039521	0.102048	0.646187
204813570119/204813570119_R08C01	Pain Only Progressor	0.043059	0.247692	0.046337	0.088681	0.076259	0.499282
204813570120/204813570120_R05C01	Pain Only Progressor	0.02196	0.162093	0.070568	0.062607	0.067936	0.612968
204813570120/204813570120_R06C01	Pain Only Progressor	0.015508	0.179588	0.098321	0.026539	0.104134	0.57194
204813570126/204813570126_R05C01	Pain Only Progressor	0.004222	0.252911	0.12562	0.045661	0.058856	0.517063
204813570126/204813570126_R06C01	Pain Only Progressor	0.061036	0.267331	0.084625	0.078813	0.094355	0.431556
204813570126/204813570126_R07C01	Pain Only Progressor	0.085133	0.201031	0.066748	0.078176	0.050535	0.542364
204813570126/204813570126_R08C01	Pain Only Progressor	0.030135	0.130402	0.067192	0.08345	0.02356	0.663777
204813570129/204813570129_R07C01	Pain Only Progressor	0.005458	0.18592	0.088948	0	0.113694	0.594995
204813570132/204813570132_R08C01	Pain Only Progressor	0	0.318621	0.152159	0.030106	0.145975	0.330146
204813570140/204813570140_R03C01	Pain Only Progressor	0	0.128457	0.015127	0.047878	0.068611	0.73796
204813570140/204813570140_R04C01	Pain Only Progressor	0.035008	0.177073	0.05601	0.134754	0.048023	0.58239
204813570140/204813570140_R05C01	Pain Only Progressor	0.064529	0.183158	0.050857	0.074446	0.059663	0.602478
204813570140/204813570140_R06C01	Pain Only Progressor	0.016699	0.181775	0.037934	0.08369	0.067546	0.634253
204813570140/204813570140_R07C01	Pain Only Progressor	0.056898	0.164835	0.066625	0.067142	0.093382	0.593021
204813570140/204813570140_R08C01	Pain Only Progressor	0.040961	0.252694	0.065217	0.056157	0.082853	0.503377
204813570141/204813570141_R05C01	Pain Only Progressor	0.027158	0.23584	0.070872	0.046897	0.086348	0.529036
204813570141/204813570141_R06C01	Pain Only Progressor	0.015046	0.180738	0.095795	0.017431	0.09106	0.591641
205062750030/205062750030_R05C01	Pain Only Progressor	0	0.184614	0.048158	0.047617	0.133222	0.582217
205062750030/205062750030_R06C01	Pain Only Progressor	0.075787	0.231018	0.008366	0.040969	0.070367	0.569598
205062750053/205062750053_R07C01	Pain Only Progressor	0.082935	0.122487	0.064227	0.081091	0.075121	0.554673
205062750080/205062750080_R07C01	Pain Only Progressor	0.100019	0.213627	0	0.07075	0.043546	0.559991
205062750080/205062750080_R08C01	Pain Only Progressor	0.115032	0.359998	0.061303	0.055317	0.04693	0.356634
205062750098/205062750098_R08C01	Pain Only Progressor	0.044744	0.322526	0.139372	0.104829	0.108627	0.277522
205089030006/205089030006_R07C01	Pain Only Progressor	4.34E-19	0.227988	0.010259	0.02782	0.083893	0.6605
205089030045/205089030045_R07C01	Pain Only Progressor	0.058884	0.232434	0.143801	0.032096	0.124545	0.399597
205089030050/205089030050_R06C01	Pain Only Progressor	0.005448	0.263601	0.046442	0.146686	0.132835	0.399799
205089030059/205089030059_R05C01	Pain Only Progressor	0.047865	0.199773	0.048625	0.031416	0.059064	0.607114
205089030059/205089030059_R06C01	Pain Only Progressor	0	0.198613	0.053761	0.03974	0.063662	0.637779
205089030082/205089030082_R07C01	Pain Only Progressor	0.033373	0.107361	0.063774	0.066989	0.114926	0.617528
205089030093/205089030093_R08C01	Pain Only Progressor	0.076531	0.218105	0.111989	0.06857	0.078861	0.470524
205128000095/205128000095_R07C01	Pain Only Progressor	0.030948	0.200694	0.030233	0.135677	0.054004	0.539437
205437180169/205437180169_R07C01	Pain Only Progressor	0.013653	0.246852	0.11029	0.001939	0.089039	0.513434

ST2: Estimated JoCoOA buffy coat composition

Methylation array	Group	CD8T	CD4T	NK	Bcell	Mono	Gran
205724770055/205724770055_R08C01	JSL Progressor	0.035551	0.16536	0.088594	0.046461	0.074651	0.59029
205724770018/205724770018_R06C01	JSL Progressor	0.022269	0.195079	0.054815	0.050495	0.111226	0.587344
205460720019/205460720019_R04C01	JSL Progressor	0	0.236189	0.018078	0.055214	0.004293	0.686068
205722630138/205722630138_R04C01	JSL Progressor	0.068455	0.187443	0.074824	0.061241	0.109923	0.50555
205724780094/205724780094_R07C01	JSL Progressor	0.065518	0.217439	0.085904	0.048348	0.042959	0.553239
205724780001/205724780001_R07C01	JSL Progressor	0	0.275269	0.064158	0.061442	0.120632	0.496651
205724780094/205724780094_R08C01	JSL Progressor	0.00	0.28	0.13	0.04	0.10	0.45
205722630015/205722630015_R08C01	JSL Progressor	0.01	0.20	0.136	0.06	0.06	0.55
205724780057/205724780057_R07C01	JSL Progressor	0.01	0.12	0.09	0.00	0.07	0.71
205722630036/205722630036_R05C01	JSL Progressor	0.062675	0.28412	0.037296	0.093481	0.013428	0.524621
205724780057/205724780057_R06C01	JSL Progressor	0.190918	0.098851	0.110375	0.052357	0.081703	0.483652
205460720019/205460720019_R08C01	JSL Progressor	0.077949	0.215394	0.113791	0.089216	0.063093	0.450081
205722630150/205722630150_R06C01	JSL Progressor	0.103698	0.251656	0.07586	0.139873	0.063287	0.438474
205724780056/205724780056_R07C01	JSL Progressor	0.090742	0.249658	0.061332	0.115174	0.04758	0.433649
205460720019/205460720019_R07C01	JSL Progressor	0.007625	0.239591	0.114309	0.110479	0.063302	0.490494
205722630003/205722630003_R06C01	JSL Progressor	0	0.184635	0.044325	0.056093	0.057726	0.666577
205724770009/205724770009_R07C01	JSL Progressor	0.000678	0.219819	0.042517	0.047434	0.07	0.629573
205724770046/205724770046_R06C01	JSL Progressor	0.049449	0.201559	0.076255	0.106288	0.094604	0.526518
205724770055/205724770055_R05C01	JSL Progressor	0.061203	0.376141	0.045753	0.153028	0.042211	0.334944
205722630036/205722630036_R06C01	JSL Progressor	0.169496	0.339775	0.12571	0.089079	0.003843	0.285958
205724780057/205724780057_R05C01	JSL Progressor	0	0.223609	0.162109	0.055829	0.09979	0.45813
205722630011/205722630011_R05C01	JSL Progressor	0.001229	0.227462	0.132924	0.070354	0.106753	0.47034
205722630138/205722630138_R08C01	JSL Progressor	0	0.300282	0.057423	0.031909	0.07335	0.543249
205724780056/205724780056_R04C01	JSL Progressor	0.001869	0.365121	0.10705	0.074816	0.05828	0.412317
205724770055/205724770055_R07C01	JSL Progressor	0.008264	0.23245	0.053513	0.075334	0.063026	0.586091
205724780056/205724780056_R06C01	JSL Progressor	0.211816	0.211142	0.062534	0.065974	0.05139	0.400946
205724780056/205724780056_R05C01	JSL Progressor	0.110735	0.243617	0.118984	0.165291	0.022528	0.348865
205724780056/205724780056_R08C01	JSL Progressor	0.051179	0.152257	0.059361	0.051653	0.061827	0.641983
205722630003/205722630003_R04C01	JSL Progressor	0.033851	0.194427	0.114207	0.042105	0.111106	0.515118
205722630150/205722630150_R07C01	JSL Progressor	0.170009	0.252736	0.11852	0.133634	0.0283	0.387405
205549600108/205549600108_R05C01	JSL Progressor	0.019894	0.235222	0	0.022133	0.076127	0.641491
205724770018/205724770018_R07C01	JSL Progressor	0.037225	0.170266	0.008556	0.037806	0.070169	0.683658
205724770046/205724770046_R05C01	JSL Progressor	0.071533	0.255516	0.176174	0.094354	0.041954	0.416914
205722630125/205722630125_R06C01	JSL Progressor	0.109616	0.197908	0.151177	0.078664	0.061638	0.423594
205722630136/205722630136_R05C01	JSL Progressor	0.021863	0.266762	0.160027	0.060764	0.088466	0.421308
205724770055/205724770055_R06C01	JSL Progressor	0.003787	0.235566	0.027095	0.030157	0.067797	0.630019
205722630150/205722630150_R08C01	JSL Progressor	0.064728	0.258846	0.073553	0.160532	0.050543	0.48017
205724780057/205724780057_R04C01	JSL Progressor	0	0.152545	0.087999	-1.25E-19	0.208396	0.54775
205722630036/205722630036_R08C01	JSL Progressor	0.033078	0.143311	0.076331	0.022831	0.094066	0.648333
205722630150/205722630150_R05C01	JSL Progressor	0.033767	0.143791	0.037093	0.085846	0.095968	0.655821
205724780094/205724780094_R04C01	JSL Progressor	0.03219	0.284956	0.061291	0.05849	0.052429	0.522562
205724770018/205724770018_R04C01	JSL Progressor	0.051596	0.363383	0.04637	0.106126	0.037964	0.411326
205722630003/205722630003_R05C01	JSL Progressor	0.047907	0.1445	0.124381	0.059488	0.059687	0.566578
205722630003/205722630003_R07C01	JSL Progressor	0.040015	0.255773	0.110172	0.068918	0.069425	0.454449
205722630136/205722630136_R07C01	JSL Progressor	0.03114	0.195801	0.03585	0.073842	0.077476	0.603621
205724770018/205724770018_R05C01	JSL Progressor	0.068538	0.200556	0.027341	0.033286	0.075797	0.599588
205722630136/205722630136_R08C01	JSL Progressor	0.045607	0.102696	0.070126	0.036689	0.045761	0.706462
205722630015/205722630015_R07C01	JSL Progressor	0.002281	0.136739	0.048311	0.025165	0.06878	0.728665
205722630011/205722630011_R06C01	JSL Progressor	0.043087	0.24343	0.087692	0.024112	0.06347	0.548101
205722630036/205722630036_R04C01	JSL Progressor	0	0.193891	0.034603	0.040922	0.096918	0.641834
205722630011/205722630011_R04C01	JSL Progressor	0	0.204138	0.039179	0.061021	0.057279	0.642607
205724780094/205724780094_R05C01	JSL Progressor	0.03531	0.301683	0.041544	0.085362	0.106432	0.438037
205724780001/205724780001_R06C01	JSL Progressor	0.001124	0.236892	0.052649	0.058451	0.051896	0.601843
205724780057/205724780057_R08C01	JSL Progressor	0.106605	0.036004	0.05921	0.046609	0.082329	0.706309
205722630138/205722630138_R07C01	JSL Progressor	0.065709	0.284382	0.055758	0.106978	0.078174	0.429245
205722630015/205722630015_R06C01	JSL Progressor	1.24E-18	0.052448	0	0.039935	0.099091	0.813057
205724770009/205724770009_R08C01	JSL Progressor	0.121242	0.129384	0.091388	0.052234	0.046856	0.57684
205722630011/205722630011_R07C01	JSL Progressor	0.020994	0.257887	0.127627	0.065126	0.06096	0.474998
205722630036/205722630036_R07C01	JSL Progressor	0.05658	0.161717	0.084886	0.044764	0.047861	0.61628
205722630125/205722630125_R08C01	JSL Progressor	0.022506	0.091717	0.067955	0.053877	0.052733	0.726956
205722630150/205722630150_R04C01	JSL Progressor	0.079482	0.141628	0.134099	0.130805	0.054633	0.527333
205722630138/205722630138_R05C01	JSL Progressor	0.046504	0.097214	0.044022	0.032592	0.075205	0.721904
205724780001/205724780001_R08C01	JSL Progressor	0.087835	0.095068	0.05903	0.045499	0.072251	0.650123
205722630136/205722630136_R04C01	JSL Progressor	0.063598	0.199442	0.124423	0.055831	0.039942	0.539149
205722630125/205722630125_R04C01	JSL Progressor	0.10231	0.142894	0.092015	0.063032	0.071868	0.546169
205549600108/205549600108_R04C01	JSL Progressor	0.037507	0.161206	0.152419	0.046648	0.13665	0.502898
205722630011/205722630011_R08C01	JSL Progressor	0	0.198262	0.168695	0.062981	0.086173	0.496734
205724770009/205724770009_R05C01	JSL Progressor	0	0.185054	0.029434	0.015564	0.162423	0.618191
205460720019/205460720019_R05C01	JSL Progressor	0	0.178321	0.0367	0.111922	0.080047	0.595653
205724770009/205724770009_R06C01	JSL Progressor	0	0.150023	0.075377	0.07937	0.048353	0.660719
205722630125/205722630125_R05C01	JSL Progressor	0.042815	0.152983	0.062418	0.08406	0.082587	0.585228
205724770046/205724770046_R08C01	JSL Progressor	0.166101	0.210008	0.093702	0.096478	0.048407	0.449088
205724780001/205724780001_R04C01	JSL Progressor	0	0.256174	0.026984	0.046879	0.045952	0.623169
205724770046/205724770046_R07C01	JSL Progressor	0.118069	0.185356	0.10467	0.102675	0.055412	0.49486
205722630138/205722630138_R06C01	JSL Progressor	0.047915	0.163967	0.089889	0.032073	0.071952	0.613287
205722630136/205722630136_R06C01	JSL Progressor	0.050187	0.078907	0.188791	0.024367	0.092283	0.577084
205722630015/205722630015_R04C01	JSL Progressor	0	0.19222	0.109367	0.017416	0.07557	0.614471
205724770018/205724770018_R02C01	Nonprogressor	0.121436	0.138544	0.105467	0.038815	0.066737	0.545941
205724770046/205724770046_R01C01	Nonprogressor	0.074536	0.151403	0.036975	0.074629	0.061616	0.65614
205724770055/205724770055_R03C01	Nonprogressor	0.038577	0.151582	0.054434	0.066649	0.113258	0.593619
205722630003/205722630003_R01C01	Nonprogressor	0.014762	0.312466	0.062528	0.050736	0.033347	0.530943
205722630150/205722630150_R03C01	Nonprogressor	0.149106	0.223681	0.064604	0.153109	0.066495	0.409456
205722630011/205722630011_R02C01	Nonprogressor	0.023249	0.237703	0.143858	0.182884	0.069193	0.360432
205722630011/205722630011_R01C01	Nonprogressor	0.047405	0.160469	0.146415	0.039335	0.049488	0.562973
205724780001/205724780001_R03C01	Nonprogressor	0.121246	0.093594	0.154514	0.032505	0.086492	0.527077
205724780056/205724780056_R01C01	Nonprogressor	0.041768	0.145607	0.137296	0.036128	0.021847	0.627392
205724780056/205724780056_R02C01	Nonprogressor	0.010546	0.193279	0.071282	0.105817	0.118317	0.521004
205549600108/205549600108_R03C01	Nonprogressor	0	0.183402	0.153564	0.035572	0.051604	0.59958
205722630125/205722630125_R02C01	Nonprogressor	0.040417	0.151297	0.075551	0.074087	0.053292	0.63463
205722630150/205722630150_R02C01	Nonprogressor	0.117657	0.224501	0.070979	0.148076	0.064943	0.43493
205722630138/205722630138_R02C01	Nonprogressor	0.040643	0.332179	0.006451	0.025055	0.043997	0.556202
205724770055/205724770055_R02C01	Nonprogressor	0.023691	0.349635	0.044301	0.030326	0.13461	0.42627
205722630136/205722630136_R03C01	Nonprogressor	0.037935	0.183278	0.047744	0.070175	0.101399	0.559628
205724770018/205724770018_R03C01	Nonprogressor	0.059787	0.11245	0.092025	0.021323	0.055553	0.668329
205722630036/205722630036_R01C01	Nonprogressor	0.00793	0.309229	0.059924	0.129627	0.02861	0.47719
205724780056/205724780056_R03C01	Nonprogressor	0.020532	0.122728	0.087666	0.009146	0.11252	0.647018
205724780057/205724780057_R03C01	Nonprogressor	0.102071	0.185266	0.073127	0.029139	0.12173	0.491406
205722630036/205722630036_R03C01	Nonprogressor	0.028231	0.227232	0.092978	0.124265	0.022426	0.529859
205724780001/205724780001_R01C01	Nonprogressor	0.028345	0.185416	0.04327	0.027755	0.065385	0.653849
205722630015/205722630015_R01C01	Nonprogressor	0.06445	0.222692	0.067313	0.044386	0.126796	0.490885
205724780094/205724780094_R03C01	Nonprogressor	0.053439	0.285666	0.12709	0.047008	0.047473	0.440464
205724780094/205724780094_R01C01	Nonprogressor	0.027525	0.089818	0.039582	0.039934	0.065745	0.752059
205722630003/205722630003_R03C01	Nonprogressor	0.017043	0.206226	0.083134	0.08383	0.077394	0.543934
205722630125/205722630125_R01C01	Nonprogressor	0.03792	0.061794	0.079641	0.004627	0.104674	0.710732
205722630125/205722630125_R03C01	Nonprogressor	0	0.132839	0.057071	0.028534	0.099145	0.687103
205724770046/205724770046_R04C01	Nonprogressor	0.062822	0.182335	0.130998	0.096649	0.036654	0.547398
205722630015/205722630015_R02C01	Nonprogressor	0.037761	0.137839	0.107673	0.048006	0.104609	0.579595
205724770009/205724770009_R02C01	Nonprogressor	0	0.186272	0.076662	0.034358	0.08272	0.632656
205724780094/205724780094_R02C01	Nonprogressor	0.022831	0.215942	0.048667	0.159164	0.087319	0.477896
205722630003/205722630003_R02C01	Nonprogressor	0	0.204753	0.068404	0.050709	0.078748	0.606114
205724770009/205724770009_R01C01	Nonprogressor	0	0.269447	0.048217	0.04557	0.09493	0.559979
205722630015/205722630015_R03C01	Nonprogressor	0	0.269035	0.09574	0.080397	0.064681	0.497915
205724770055/205724770055_R01C01	Nonprogressor	0.066913	0.220971	0.096584	0.067644	0.097207	0.462853
205722630138/205722630138_R01C01	Nonprogressor	0.091839	0.198018	0.060864	0.084496	0.075637	0.490697
205722630036/205722630036_R02C01	Nonprogressor	0.026477	0.213932	0.041561	0.075914	0.049686	0.601695
205724770009/205724770009_R03C01	Nonprogressor	0.036905	0.271934	0.104529	0.088868	0.047541	0.458958
205722630011/205722630011_R03C01	Nonprogressor	0.017601	0.269136	0.077694	0.052433	0.048074	0.546499
205460720019/205460720019_R01C01	Nonprogressor	0.005518	0.222129	0.058731	0.0981	0.02638	0.600468
205549600108/205549600108_R01C01	Nonprogressor	0.015409	0.273437	0.116977	0.043824	0.026672	0.538943
205722630136/205722630136_R02C01	Nonprogressor	0.118613	0.12296	0.167356	0.017572	0.065593	0.533837
205724770055/205724770055_R04C01	Nonprogressor	3.47E-18	0.220792	0.058051	0.029112	0.042431	0.653442
205724770046/205724770046_R03C01	Nonprogressor	0.018244	0.158992	0.026287	0.082578	0.082585	0.675235
205724780057/205724780057_R02C01	Nonprogressor	0.101707	0.153465	0.143652	0.052731	0.07733	0.480214

Mean	CD8T mea	CD8T S.D.	CD4T mea	CD4T SD	NK mean	NK SD	B mean	B SD	Mono me	Mono SD	Gran mea	Gran SD
JSL only	0.0480	0.0497	0.2036	0.0698	0.0805	0.0434	0.0658	0.0354	0.0707	0.0319	0.5490	0.1063
Nonprogressor	0.0433	0.0412	0.2047	0.0673	0.0792	0.0405	0.0633	0.0410	0.0691	0.0291	0.5563	0.0828

P value

2-tailed *P* values	CD8T	CD4T	NK	B	Mono	Gran
JSL-P vs. non-P	0.5691	0.9250	0.8587	0.7156	0.7727	0.6759

*JSL refers to joint space loss = radiographic progressors

205722630138/205722630138_R03C01	Nonprogressor	0.031421	0.386932	0	0.036051	0.068967	0.478055
205460720019/205460720019_R02C01	Nonprogressor	0.012701	0.215434	0.071348	0.06018	0.070054	0.586759
205722630150/205722630150_R01C01	Nonprogressor	0.155914	0.245633	0.014351	0.087404	0.0407	0.509526
205724780001/205724780001_R02C01	Nonprogressor	0.05914	0.217043	0.10548	0.020238	0.064128	0.535624
205724780057/205724780057_R01C01	Nonprogressor	0.017061	0.224373	0.008719	0.110285	0.022961	0.620039

ST3: Estimated initial OAI buffy coat composition

Methylation array	Group	CD8T	CD4T	NK	Bcell	Mono	Gran
200970120021_R05C01	JSL Progressor	0	0.234276	0.033374	0.088327	0.056354	0.612002
200970120021_R06C01	JSL Progressor	0.03338	0.216036	0.045398	0.050916	0.094711	0.587085
200970120021_R07C01	JSL Progressor	1.07E-21	0.063029	0.116627	0	0.069363	0.757376
200970120021_R08C01	JSL Progressor	0.049156	0.204549	0.158893	0.069104	0.030641	0.508079
200970120038_R05C01	JSL Progressor	0.024041	0.334462	0.030751	0.047251	0.028208	0.534031
200970120038_R06C01	JSL Progressor	0.047076	0.238896	0.120098	0.03012	0.044857	0.527197
200970120038_R07C01	JSL Progressor	0.152184	0.400976	0.046784	0.113829	0.064081	0.261552
200970120038_R08C01	JSL Progressor	0.101849	0.20504	0.078682	0.128093	0.069611	0.433152
200970120047_R05C01	JSL Progressor	0.010366	0.127398	0.069818	0.042804	0.112099	0.645457
200970120047_R06C01	JSL Progressor	0.074453	0.143601	0.074051	0.071038	0.084979	0.565563
200970120047_R07C01	JSL Progressor	0.065271	0.2954	0.172795	0.077108	0.068488	0.342359
200970150045_R05C01	JSL Progressor	0.032157	0.310954	0.03235	0.084123	0.05613	0.491928
200970150045_R06C01	JSL Progressor	0.040476	0.317648	0.009245	0.119807	0.040093	0.47548
200970150045_R07C01	JSL Progressor	0.041282	0.260738	0.054493	0.041793	0.117679	0.490277
200970150045_R08C01	JSL Progressor	0.127308	0.242752	0.098176	0.107969	0.065279	0.42246
200970150048_R05C01	JSL Progressor	0.101604	0.225088	0.094925	0.084565	0.095619	0.436009
200970150048_R06C01	JSL Progressor	0.051635	0.213738	0.062717	0.073154	0.047074	0.595243
200970150048_R07C01	JSL Progressor	0.047707	0.183753	0.027216	0.052783	0.074725	0.633408
200970150048_R08C01	JSL Progressor	0.042538	0.412458	0.048631	0.140031	0.052551	0.369521
200970150049_R05C01	JSL Progressor	0.009932	0.205287	0.085204	0.031206	0.107326	0.581954
200970150049_R06C01	JSL Progressor	0.097999	0.24915	0.179612	0.062039	0.048729	0.387144
200970150049_R07C01	JSL Progressor	0.098825	0.311427	0.167613	0.101766	0.08181	0.299007
200970150049_R08C01	JSL Progressor	0.121402	0.205596	0.065054	0.148648	0.116005	0.393406
200970150052_R05C01	JSL Progressor	0.083671	0.324298	0.095659	0.053368	0.081312	0.377043
200970150052_R06C01	JSL Progressor	0.015557	0.152741	0.080233	0.083095	0.110478	0.569166
200970150052_R07C01	JSL Progressor	0.039013	0.217635	0.036609	0.060831	0.057986	0.606739
200970150052_R08C01	JSL Progressor	0.120636	0.307994	0.072718	0.127534	0.031815	0.400497
200970120021_R01C01	Nonprogressor	0.075945	0.198344	0.015939	0.049203	0.074073	0.618177
200970120021_R02C01	Nonprogressor	0.047577	0.262419	0.028631	0.057383	0.041815	0.575699
200970120021_R03C01	Nonprogressor	0.067171	0.257262	0.04329	0.105091	0.104537	0.438215
200970120021_R04C01	Nonprogressor	0.149284	0.227607	0.063784	0.112093	0.088537	0.405165
200970120038_R01C01	Nonprogressor	0.064487	0.198552	0.079459	0.077033	0.081947	0.517516
200970120038_R02C01	Nonprogressor	0	0.170037	0.101962	0.033693	0.080111	0.611178
200970120038_R03C01	Nonprogressor	0.078508	0.202005	0.089831	0.146003	0.071768	0.470007
200970120038_R04C01	Nonprogressor	0	0.155691	0.063033	0.072877	0.034062	0.715598
200970120047_R01C01	Nonprogressor	0.076933	0.335357	0.038679	0.084721	0.090873	0.381874
200970120047_R02C01	Nonprogressor	0.025274	0.316112	0.0555	0.057408	0.085695	0.475786
200970120047_R03C01	Nonprogressor	0.02143	0.288426	0.152667	0.049258	0.094606	0.427303
200970120047_R04C01	Nonprogressor	0.164562	0.260909	0.165741	0.13933	0.021888	0.286907
200970150045_R01C01	Nonprogressor	0.068517	0.144547	0.105126	0.064351	0.064407	0.595125
200970150045_R02C01	Nonprogressor	0.046502	0.170101	0.09358	0.110256	0.047832	0.575374
200970150045_R03C01	Nonprogressor	0.032988	0.278748	0.028774	0.066139	0.035187	0.576741
200970150045_R04C01	Nonprogressor	0.089394	0.262741	0.083512	0.06493	0.062588	0.473051
200970150048_R01C01	Nonprogressor	0.05335	0.300306	0.094041	0.06513	0.057594	0.447459
200970150048_R02C01	Nonprogressor	0	0.207924	0.062109	0.033461	0.090096	0.609615
200970150048_R03C01	Nonprogressor	0.080831	0.182324	0.037413	0.061357	0.051952	0.619662
200970150048_R04C01	Nonprogressor	0.032689	0.224685	0.060169	0.102954	0.081694	0.526424
200970150049_R01C01	Nonprogressor	0.120413	0.349059	0.052521	0.063626	0.081355	0.360981
200970150049_R02C01	Nonprogressor	0.037844	0.212541	0.034567	0.14565	0.054906	0.525893
200970150049_R03C01	Nonprogressor	0	0.210491	0.052238	0.037176	0.093264	0.623456
200970150049_R04C01	Nonprogressor	0.103776	0.171462	0.152116	0.057245	0.101787	0.448
200970150052_R01C01	Nonprogressor	0.165386	0.131942	0.105821	0.094071	0.048871	0.490623
200970150052_R02C01	Nonprogressor	0.10647	0.307262	0.136232	0.03445	0.060478	0.361214
200970150052_R03C01	Nonprogressor	0.127315	0.073354	0.142891	0.046299	0.104517	0.533347
200970150052_R04C01	Nonprogressor	0.082812	0.201252	0.060089	0.112178	0.077599	0.516215

Mean	CD8T mea	CD8T S.D.	CD4T mea	CD4T SD	NK mean	NK SD	B mean	B SD	Mono mea	Mono SD	Gran mea	Gran SD
JSL only	0.0604	0.0423	0.2446	0.0800	0.0799	0.0470	0.0775	0.0368	0.0707	0.0271	0.4927	0.1186
Nonprogressor	0.0686	0.0481	0.2251	0.0659	0.0786	0.0418	0.0765	0.0336	0.0709	0.0227	0.5074	0.0993

P value

2-tailed *P* values	CD8T	CD4T	NK	B	Mono	Gran
JSL-P vs. non-P	0.5058	0.3257	0.910441	0.9243	0.9774	0.6204

*JSL refers to joint space loss = radiographic progressors

ST4: Demographic and cell composition models

Demographic and clinical data-based models

		Accuracy (mean±SEM)	C-statistic (AUC-ROC, mean±SEM)
OABC			
	All progressors vs nonprogressors	0.66±0.001	0.63±0.006
	Radiographic-only vs. nonprogressors	0.69±0.003	0.60±0.007
	Pain-only vs. nonprogressors	0.66±0.004	0.54±0.01
	Dual vs. nonprogressors	0.62±0.005	0.68±0.007
JoCoOA			
	Radiographic vs. nonprogressors	0.60±0.005	0.49±0.007
Initial OAI			
	Radiographic vs. nonprogressors	0.51±0.007	0.49±0.009

Buffy coat cell composition data-based models

OABC			
	All progressors vs nonprogressors	0.66±0.001	0.48±0.004
	Radiographic-only vs. nonprogressors	0.69±0.003	0.60±0.009
	Pain-only vs. nonprogressors	0.66±0.001	0.51±0.01
	Dual vs. nonprogressors	0.49±0.005	0.49±0.008
JoCoOA			
	Radiographic vs. nonprogressors	0.60±0.0007	0.49±0.007
Initial OAI			
	Radiographic vs. nonprogressors	0.50±0.002	0.49±0.005

** All data are presented as mean±SEM of 40 development cycles*

ST5: Top features included in models

Any progressor vs. nonprogressor

feature	# dev cycles selected (/40)
cg04195161	34
cg22064129	33
cg04985016	24
cg12692919	17
cg04043957	15
cg08872579	12
cg02019955	12
cg01333532	11
cg23705082	11
cg05042110	10
cg00715363	10
cg01307007	10
cg09239099	10
cg00411784	9
cg10992198	9
cg11813862	9
cg08516247	9
cg15318425	8
cg13273963	8
cg07281419	8
cg07125482	7
cg00866179	7
cg14274482	7
cg14992760	6
cg21917866	6
cg13422535	6
cg20852378	6
cg25621735	5
cg05289466	5
cg03052080	5
cg11404203	5
cg18639129	5
cg24828811	5
cg07769732	4
cg11545635	4
cg17583264	4
cg11206334	4
cg05457490	4
cg23549283	4
cg02952849	4
cg22322367	4
cg26530630	3
cg14056668	3
cg10884975	3
cg05839748	3
cg16594214	3
cg14359606	3
cg10130460	3
cg02084259	3
cg04346084	3
cg12902040	3
cg27591595	3
cg14055421	3
cg06415550	3
cg18572609	2
cg06594919	2
cg27515671	2
cg20396870	2
cg22387829	2
cg23028993	2
cg06778567	2
cg05670486	2
cg19050943	2
cg07238698	2
cg13299707	2
cg01927148	2
cg09434366	2
cg02804707	2
cg03086376	2
cg26796407	2
cg02373061	2
cg12850288	2
cg14377891	2
cg08904369	2
cg19766438	2
cg03250743	2
cg12833516	2

Pain progressor vs. nonprogressor

feature	# dev cycles selected (/40)
cg08886676	37
cg07769732	34
cg18639129	30
cg12850288	28
cg25621735	19
cg00385063	15
cg12692919	14
cg22118655	14
cg01108434	13
cg25653506	12
cg12290983	11
cg25213418	10
cg15408722	9
cg26210521	8
cg06494945	7
cg27159792	7
cg20396870	6
cg22053666	6
cg04195161	6
cg22271113	6
cg17839216	5
cg13388025	5
cg20502612	5
cg11206334	4
cg10992198	4
cg00715363	4
cg22012033	4
cg15318425	4
cg02133430	4
cg10304803	4
cg13364268	3
cg04871207	3
cg04264272	3
cg02084259	3
cg04346084	3
cg15508262	3
cg14163245	3
cg02775882	3
cg16740067	3
cg20991296	3
cg08516247	3
cg08240592	2
cg16811200	2
cg05289466	2
cg10884975	2
cg18662613	2
cg07040432	2
cg05467318	2
cg08038982	2
cg04985016	2
cg15543154	2
cg17942096	2
cg27136064	2
cg24052772	2
cg03250743	2
cg25793425	2
cg07199894	2
cg19678564	2
cg04510155	2
cg17099306	2
cg16568036	2
cg10449839	2
cg02024097	2
cg04773990	1
cg06806493	1
cg06869501	1
cg04871532	1
cg08924969	1
cg05803032	1
cg00907267	1
cg10982275	1
cg08872579	1
cg03785692	1
cg17310120	1
cg11317343	1
cg12120973	1
cg24629314	1

Radiographic progressor vs. nonprogressor

feature	# dev cycles selected (/40)
cg24828811	27
cg16636182	25
cg27134659	25
cg10992198	24
cg12692919	19
cg20818191	14
cg02683314	12
cg02727566	11
cg04195161	11
cg17760982	11
cg22116100	10
cg07040432	10
cg00451058	10
cg16436489	10
cg10304803	10
cg08872579	9
cg14347781	9
cg13422535	9
cg15807145	9
cg20160182	9
cg04742047	9
cg16360372	8
cg11748170	8
cg08516247	8
cg12850288	7
cg21128539	7
cg16658496	7
cg17099306	7
cg22007329	6
cg24384817	6
cg19050943	6
cg14122633	6
cg00385063	6
cg10816892	6
cg06444189	5
cg11994984	5
cg15240092	5
cg18639129	5
cg01927148	4
cg02674114	4
cg08776331	4
cg08698428	4
cg13612365	3
cg00836200	3
cg20312691	3
cg25203036	3
cg22732549	3
cg00244634	3
cg07652774	3
cg21144941	3
cg03438090	3
cg16440442	3
cg01057742	3
cg19707937	3
cg14274482	3
cg07351164	3
cg20991296	3
cg18579475	2
cg23396969	2
cg10937024	2
cg15271594	2
cg01333532	2
cg07238698	2
cg09665900	2
cg13895781	2
cg17045539	2
cg05725489	2
cg01325655	2
cg01291398	2
cg14537800	2
cg04076264	2
cg08692130	2
cg05667158	2
cg13395060	2
cg07199894	2
cg19651567	2
cg20075270	2

Dual progressor vs. nonprogressor

feature	# dev cycles selected (/40)
cg04195161	28
cg22064129	24
cg23705082	20
cg02019955	16
cg04985016	9
cg21917866	8
cg10130460	6
cg07125482	5
cg25621735	4
cg01333532	4
cg00866179	4
cg05042110	4
cg21381136	3
cg02084259	3
cg00499245	3
cg23549283	3
cg14992760	2
cg05839748	2
cg05471721	2
cg25745244	2
cg00411784	2
cg09840645	2
cg08330117	2
cg11813862	2
cg12009816	2
cg08904369	2
cg07661849	2
cg14819616	2
cg20965815	1
cg10509965	1
cg27515671	1
cg01336552	1
cg24791205	1
cg13913742	1
cg06310698	1
cg04775302	1
cg11508942	1
cg05289466	1
cg18439195	1
cg22174295	1
cg08094266	1
cg05732684	1
cg14623267	1
cg12279076	1
cg04318202	1
cg05529201	1
cg10884975	1
cg18256471	1
cg06778567	1
cg03052080	1
cg01108434	1
cg14453762	1
cg27218041	1
cg13431152	1
cg11415852	1
cg16436825	1
cg05181727	1
cg02083546	1
cg27095074	1
cg21233143	1
cg19817005	1
cg05645612	1
cg04175872	1
cg07829333	1
cg14057079	1
cg02174156	1
cg16389027	1
cg23102138	1
cg05161279	1
cg02918101	1
cg10084370	1
cg19088922	1
cg10760361	1
cg01593552	1
cg08108641	1
cg17460586	1
cg23658739	1

cg11809123	2	cg09661437	1	cg23035058	2	cg09434366	1
cg08886676	2	cg04400298	1	cg21420835	2	cg18465984	1
cg05229649	2	cg16797656	1	cg05528187	2	cg05927229	1
cg21245618	2	cg11744295	1	cg08102602	2	cg13999176	1
cg25937149	2	cg07082480	1	cg03403032	2	cg22669123	1
cg08659047	2	cg17208740	1	cg08451977	2	cg17607545	1
cg03403032	2	cg06876530	1	cg27400923	2	cg12080553	1
cg11271457	2	cg02968405	1	cg24408213	2	cg19138227	1
cg01752326	2	cg22080189	1	cg07239116	2	cg21469057	1
cg16655837	2	cg07200711	1	cg13388025	2	cg20940428	1
cg16639998	1	cg05951137	1	cg20492200	2	cg23596123	1
cg26881686	1	cg03561330	1	cg16927872	2	cg22407289	1
cg17637798	1	cg19358337	1	cg10449839	2	cg27419330	1
cg02611177	1	cg02895509	1	cg17366013	2	cg13422535	1
cg14759931	1	cg17952138	1	cg20807374	1	cg22561477	1
cg04170460	1	cg03196265	1	cg05710753	1	cg03086376	1
cg26096887	1	cg25207952	1	cg05509584	1	cg13682187	1
cg17570188	1	cg03940662	1	cg24877185	1	cg22166169	1
cg00398767	1	cg04100482	1	cg16797904	1	cg20393335	1
cg05365578	1	cg14686676	1	cg03116579	1	cg14529732	1
cg20142014	1	cg25610697	1	cg17570188	1	cg20795023	1
cg11970458	1	cg11238267	1	cg16109438	1	cg14926445	1
cg00076936	1	cg09790580	1	cg23062598	1	cg21380365	1
cg00044440	1	cg06238944	1	cg20337860	1	cg02894226	1
cg11803077	1	cg02754513	1	cg01049775	1	cg14129775	1
cg07641540	1	cg10140454	1	cg24654525	1	cg01138921	1
cg18652121	1	cg07151670	1	cg08260398	1	cg08064076	1
cg25846336	1	cg10043753	1	cg24509649	1	cg11002034	1
cg02944953	1	cg01750172	1	cg12645886	1	cg04830812	1
cg16295231	1	cg10221617	1	cg12731430	1	cg11521553	1
cg03561330	1	cg19475658	1	cg23705082	1	cg01748082	1
cg03940662	1	cg18174876	1	cg27119415	1	cg05372402	1
cg16435426	1	cg06702924	1	cg20925075	1	cg19993006	1
cg04960492	1	cg03143118	1	cg07690796	1	cg21519986	1
cg25593696	1	cg17873910	1	cg06009432	1	cg15318425	1
cg01593552	1	cg26266515	1	cg04516683	1	cg00136054	1
cg21381136	1	cg14452720	1	cg06876530	1	cg06524162	1
cg16333156	1	cg21415286	1	cg02224047	1	cg26989531	1
cg02980670	1	cg11813862	1	cg23192321	1	cg09245378	1
cg25085537	1	cg07126281	1	cg06986184	1	cg09663314	1
cg17064434	1	cg06710071	1	cg22990850	1	cg20852378	1
cg20688401	1	cg05457490	1	cg19670985	1	cg11404203	1
cg04294959	1	cg05262191	1	cg16856425	1	cg07161061	1
cg19323374	1	cg23549283	1	cg10824697	1	cg08044663	1
cg25614450	1	cg08242354	1	cg14359606	1	cg21595814	1
cg04264272	1	cg11580790	1	cg04633966	1	cg10622068	1
cg00999152	1	cg24308082	1	cg00047079	1	cg11508413	1
cg27394460	1	cg11140017	1	cg12686379	1	cg05582740	1
cg25090569	1	cg13273963	1	cg00746170	1	cg24646457	1
cg02969418	1	cg19721717	1	cg04530127	1	cg03138091	1
cg21584983	1	cg14592770	1	cg20404270	1	cg21289967	1
cg06523800	1	cg03286472	1	cg19218358	1	cg25916282	1
cg24636244	1	cg13666417	1	cg07968685	1	cg14038618	1
cg00508131	1	cg02181187	1	cg06663665	1	cg04043957	1
cg13800721	1	cg17659775	1	cg16435426	1	cg11410731	1
cg21415286	1	cg18019663	1	cg07195891	1	cg05291385	1
cg09831055	1	cg17420487	1	cg27653370	1	cg25006254	1
cg22161269	1	cg07281419	1	cg01800146	1	cg20598333	1
cg12009816	1	cg22394530	1	cg02601341	1	cg25202354	1
cg24682449	1	cg10580335	1	cg24991432	1	cg17399234	1
cg11995041	1	cg23807196	1	cg13986498	1	cg08734125	1
cg13315471	1	cg22387756	1	cg08038982	1	cg22563390	1
cg11043571	1	cg10365657	1	cg11545173	1	cg17895377	1
cg15042747	1	cg11410731	1	cg17287172	1	cg17741865	1
cg13843791	1	cg01436664	1	cg07793898	1	cg00316483	1
cg22867941	1	cg06978336	1	cg10621610	1	cg01698108	1
cg22410986	1	cg05584361	1	cg03667447	1	cg03403032	1
cg17593893	1	cg16957497	1	cg19109762	1	cg06831919	1
cg19147260	1	cg24259688	1	cg02513409	1	cg25857018	1
cg01219087	1	cg02952849	1	cg06407390	1	cg02142336	1
cg11753540	1	cg27658460	1	cg14014565	1	cg04137380	1
cg02454464	1	cg05528187	1	cg03655402	1	cg03157698	1
cg18766898	1	cg15852666	1	cg08636056	1	cg16119852	1
cg07750508	1	cg11745688	1	cg19795592	1	cg07306299	1
cg03138091	1	cg20486860	1	cg11813862	1	cg09239099	1
cg27208573	1	cg18052616	1	cg08054010	1	cg01423776	1
cg13859117	1	cg16440442	1	cg04985016	1	cg01752326	1
cg16360372	1	cg06210215	1	cg00715363	1	cg20573222	1
cg02283811	1	cg26889677	1	cg23720306	1		
cg00871215	1	cg22958188	1	cg22012033	1		
cg20464151	1	cg20818191	1	cg08198173	1		
cg06350612	1	cg06478195	1	cg26796407	1		

cg06831919	1	cg11826685	1	cg05171921	1
cg10304803	1	cg25483596	1	cg04939480	1
cg05255125	1	cg15260428	1	cg08453282	1
cg16362801	1	cg25181749	1	cg05457490	1
cg20788387	1	cg08486160	1	cg18500431	1
cg00385063	1	cg22980611	1	cg27143349	1
cg09736124	1	cg00867080	1	cg09272488	1
cg16568036	1	cg14274482	1	cg23740610	1
cg24708350	1	cg17721355	1	cg10231096	1
cg00440263	1	cg04044526	1	cg26430365	1
cg20328876	1	cg18540455	1	cg14055421	1
cg23611525	1	cg19543453	1	cg15334836	1
cg04080067	1	cg22322367	1	cg26291737	1
cg07895186	1			cg22232320	1
cg10404142	1			cg10200286	1
cg16040763	1			cg13495389	1
cg11301513	1			cg04975653	1
cg20972416	1			cg07261133	1
				cg17563229	1
				cg08680414	1
				cg23656161	1
				cg22415348	1
				cg23330385	1
				cg08155591	1
				cg13471365	1
				cg25447359	1
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				cg13859117	1
				cg11809123	1
				cg15272769	1
				cg08749419	1
				cg04043957	1
				cg06169760	1
				cg27402845	1
				cg05655935	1
				cg06803925	1
				cg18192146	1
				cg10534439	1
				cg03851398	1
				cg00333985	1
				cg09039436	1
				cg13576178	1
				cg17383793	1
				cg05235884	1
				cg05518842	1
				cg26754824	1
				cg16910350	1
				cg10290767	1
				cg04730588	1
				cg17161020	1
				cg04366619	1
				cg14359486	1
				cg05614741	1
				cg20464151	1
				cg22675207	1
				cg14053272	1
				cg14640386	1
				cg23697278	1
				cg11011888	1
				cg09523472	1
				cg01861389	1
				cg24828071	1
				cg18459239	1
				cg18260424	1
				cg03734677	1
				cg12415318	1
				cg16090786	1
				cg01571169	1
				cg15635472	1
				cg12640770	1
				cg08874598	1
				cg00510552	1
				cg06140118	1
				cg12469332	1
				cg24164798	1
				cg02287693	1
				cg09450550	1
				cg21642684	1
				cg17981091	1
				cg14699228	1
				cg01307007	1
				cg09239099	1

cg13356342	1
cg02444156	1
cg12053296	1
cg24864105	1
cg15449073	1
cg02024097	1
cg22186557	1

ST6: Training model performance

Full models

	Any progressor	Pain-only progressor	Radiographic-only progressor	Dual progressor
ROC	0.86±0.004	0.97±0.004	0.94±0.004	0.79±0.006
Accuracy	0.82±0.01	0.97±0.009	0.96±0.01	0.82±0.01

Parsimonious models

	Any progressor	Pain-only progressor	Radiographic-only progressor	Dual progressor
ROC	0.89±0.003	0.95±0.005	0.94±0.003	0.85±0.005
Accuracy	0.83±0.002	0.94±0.004	0.92±0.002	0.78±0.004