

Supplemental table 2: CIBERSORT coefficients (Figure 4A)

Input Sample	B cells naïve	B cells memory	Plasma cells	T cells CD8	T cells CD4 naïve	T cells CD4 memory resting	T cells CD4 memory activated	T cells follicular helper	T cells regulatory (Tregs)	T cells gamma delta	NK cells resting	
ST 14-3T	0	0.003577166	0	0.021029719	0.031481123	0.016972113	0	0	0	0	0	
ST 14-3I	0.005363574	0	0.005940428	0	0	0.196812354	0	0.017754886	0	0	0	
BR 14-3-2T	0	0.007982782	0.0006	0.007126544	0	0.02070292	0	0.071809692	0	0	0	
BR 14-3-2I	0	0	0.002859597	0.027981747	0	0	0.257725384	0	0	0	0.045184759	
5-2T	0.0001	0	0.0001	0	0	0.178638544	0	0.043128902	0.001269875	0	0.016114967	
5-3-2T	0.005901665	0	0.003504332	0.08545826	0	0.090837356	0.079526602	0	0	0	0.035312099	
10-1T	0.005340898	0	0.004576074	0.02822018	0.020936977	0	0	0.0096857	0.002356283	0	0.028541351	
14-2T	0.001761419	0	0.018313671	0	0.046618182	0	0	0.02128308	0.002051984	0	0	
16-1T	0	0.003751988	0.035892931	0.011398145	0.057231728	0.049216896	0	0	0	0	0	
20-1T	0	0	0.016067434	0	0.01474106	0.07185664	0	0	0.001252092	0	0.013311377	
20-2T	0	0.0006	0.002544582	0.039869335	0	0.172085651	0	0	0	0	0.016111424	
25-2T	0.022557612	0	0.008868973	0	0	0.138827301	0	0.0009	0.001123494	0	0.026838281	
28-1T	0.002267347	0	0.0171996	0	0.077478022	0.081501565	0	0	0	0	0	
28-2T	0.131862769	0	0	0.053173548	0	0.137145902	0	0.070374348	0.038271072	0	0.02224489	
28-3T	0.093794751	0	0.043957205	0.198814752	0	0.089820239	0	0.04073317	0.004382115	0	0	
28-4T	0.025815503	0	0.003372246	0.240124188	0	0.095976016	0.02616075	0.031166448	0.008643147	0	0	
5-2I	0.047415269	0	0.003109839	0.067214788	0	0.248781295	0	0.017827389	0	0	0.031976053	
5-3-2I	0.012408011	0	0.005258588	0.080232207	0	0.201439261	0	0	0	0	0.021148581	
6I	0.004927742	0	0.002996132	0.127768705	0	0.298149266	0.006780969	0.001741159	0	0	0.016760812	
10-1I	0	0	0.00127952	0.061834039	0	0.104386919	0	0.015047021	0	0	0.009795794	
14-2I	0.00658972	0	0.005192384	0.006375182	0.094488734	0.292753111	0	0	0	0	0.007767626	
16-1I	0.018263765	0	0.012262409	0.167394264	0.045566172	0.217849281	0	0	0	0	0	
20-2I	0	0	0.005936739	0.01864772	0	0.29112612	0	0	0	0	0.014029023	
25-2I	0	0.029582318	0.012287216	0.036365311	0	0.334033621	0	0.055838745	0	0	0.100526213	
27-3I	0	0	0.037091101	0.057633139	0	0.334741898	0.008451409	0	0	0	0.060769864	
28-2I	0	0	0.012685395	0.050490445	0	0.151003873	0	0.034439134	0	0	0.01417587	
28-3I	0.018819379	0	0.027688629	0.235868256	0	0.200255362	0	0.044104449	0	0	0	
28-4I	0.001309384	0	0.010082163	0.295057954	0	0.1824485	0.015616678	0.006809725	0	0	0	
T (interior) mean	0.02411683	0.000362666	0.012866421	0.054754867	0.018083831	0.092158842	0.008807279	0.018105971	0.004945839	0	0.013206199	
T (interior) SD	0.043120003	0.001081207	0.014311841	0.081940214	0.027274574	0.058346046	0.023506377	0.023465386	0.010784043	0	0.013074264	
I (Interface) mean	0.009144439	0.002465193	0.01132251	0.100406834	0.011671242	0.238080709	0.002570755	0.014650635	0	0	0.023079153	
I (Interface) SD	0.013999587	0.00853968	0.010779081	0.089656155	0.029185585	0.073737852	0.005063085	0.01969578	0	0	0.029712938	
p-value	0.4258	0.002	0.8457	0.0371	>.9999		0.002	0.5	0.5781	0.0156	NA	>.9999
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Input Sample	NK cells activated	Monocytes	Macrophages M0	Macrophages M1	Macrophages M2	Dendritic cells resting	Dendritic cells activated	Mast cells resting	Mast cells activated	Eosinophils	Neutrophils
ST 14-3T	0.008011086	0	0.24872296	0.00254181	0.568381036	0	0	0	0.099282988	0	0
ST 14-3I	0.068823002	0.045460612	0.142321584	0	0.341583649	0	0	0	0.164477562	0.01146235	0
BR 14-3-2T	0.013312305	0	0.495500463	0.020708221	0.337617784	0	0	0.024653909	0	0	0
BR 14-3-2I	0	0.011901708	0.268502466	0.014250165	0.324127314	0.00114442	0	0.04632244	0	0	0
5-2T	0.032294247	0.048287083	0.308862667	0	0.293533134	0	0	0.064649616	0.013032896	0	0
5-3-2T	0.009465274	0.021505972	0.364723763	0.019411154	0.241615958	0	0.042737565	0	0	0	0
10-1T	0	0.006101776	0.25147557	0	0.61146221	0.008558773	0	0.014351572	0.008392634	0	0
14-2T	0.0233954	0	0.248879891	0	0.567968982	0	0	0.069727391	0	0	0
16-1T	0.065420761	0	0.524022141	0.021662182	0.071763202	0.06689398	0.065560006	0.014570751	0	0.012615289	0
20-1T	0	0.002003078	0.640847264	0	0.173319245	0	0	0.066601811	0	0	0
20-2T	0.001163041	0.061104821	0.209729834	0.007944395	0.396195029	0	0.023657181	0.06900646	0	0	0
25-2T	0.011153836	0	0.397985851	0	0.352990601	0	0.01363089	0.025156088	0	0	0
28-1T	0.054914831	0	0.423441549	0	0.256221211	0	0	0.086975876	0	0	0
28-2T	0	0.049761936	0.138919458	0	0.235420258	0	0.016544333	0	0.106281486	0	0
28-3T	0.026095865	0.037700132	0.098700082	0.040297268	0.228172266	0	0.003345993	0.09418616	0	0	0
28-4T	0.058382041	0.006006055	0.160199336	0.039058736	0.257933358	0	0	0.04301768	0	0	0.004144496
5-2I	0.009924244	0.049164328	0.196226764	0.019814689	0.245732664	0	0.017438356	0.045374323	0	0	0

5-3-2I	0.04630304	0.082919126	0.165963502	0.012313868	0.314997146	0.003302153	0	0.048298925	0	0	0.005415592
6I	0.017855139	0.052461605	0.046863819	0.050115282	0.321826813	0.006250478	0	0.045502079	0	0	0
10-1I	0.023697696	0.006483832	0.388002447	0.024490799	0.32732656	0	0	0.037634878	0	0	0
14-2I	0.027714909	0	0.144423664	0.002060648	0.350444004	0	0	0.060838437	0	0	0.001351581
16-1I	0.101892535	0.14026787	0	0.011877465	0.243711195	0.004977738	0.017626091	0.009979228	0	0.008331988	0
20-2I	0.00221922	0	0.328892716	0.017396053	0.227073756	0	0.02482189	0.069856763	0	0	0
25-2I	0	0.108686526	0.021538167	0.039460131	0.150213543	0	0	0.110878785	0	0	0.0006
27-3I	0	0.051132888	0.05606095	0.009603065	0.300665933	0	0.008471156	0.037918886	0.037459711	0	0
28-2I	0	0.370409379	0	0	0.020550563	0	0.048330638	0	0.279965037	0	0.017949665
28-3I	0.059866515	0.042606053	0.024552057	0.097765986	0.199948602	0	0	0	0.048524714	0	0
28-4I	0.031758216	0.082982159	0.016494343	0.135347542	0.179316024	0	0	0.042777312	0	0	0
T (interior) mean	0.023523775	0.019372571	0.313982284	0.010697811	0.307216288	0.006287729	0.004486034	0.034729421	0.029817336	0.001086075	0.001396649
T (interior) SD	0.024402256	0.023353523	0.162998297	0.015624262	0.155171222	0.019243962	0.008408245	0.031786261	0.041365477	0.003762273	0.003728451
I (interface) mean	0.026769293	0.082259481	0.115751536	0.035020461	0.240150567	0.001210864	0.009724011	0.042421635	0.030495789	0.000694332	0.002109737
I (interface) SD	0.030557579	0.100405695	0.131950449	0.041465003	0.094168194	0.002279479	0.015087129	0.030933963	0.080327954	0.002405238	0.005224888
p-value	0.3008	0.0273	0.0645	0.0547	0.0645	0.5	0.1875	0.2031	0.4375	>0.9999	0.6875

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p-value calculated using paired nonparametric Wilcoxon test, comparing interior (T) to interface (I). Samples without matched interior and interface for comparison were ignored for the purpose of analysis (n=10 paired samples). *p<0.05, **p<0.01.
Soft tissue (ST) and bone recurrence (BR) samples included for descriptive comparison only.