Supplementary Table S2: Transcriptomic profiling of in vivo–assembled Biococktails

Markers	Patient No.	1		2				1
	Mold No.	2	3	1	2	3	4	1
Mluripotent stem cell markers	B3GALT5	0	0	0	0.02198827	0	0.006792102	0
	NANOG	0.021148308	0.034272105	0.025334142	0.028278933	0.021875194	0	0.016119117
Mesenchymal stem cell markers	CD44	2.223376428	2.627396256	2.791626459	2.770494136	2.890257764	2.817740313	2.70973214
	TFRC	1.523104559	1.917878875	1.791128144	1.994363205	1.809087251	1.861909128	1.997921198
	NT5E	1.088071096	1.060072166	1.553848441	1.693892595	1.316497666	1.679715096	1.834343947
	THY1	0.778259067	1.584021626	1.50992508	1.514950306	1.05136368	1.46123491	2.182295405
	ENG	2.40710109	2.854195746	2.50222941	2.490792404	2.237972195	2.360698097	2.582497673
Fibroblast markers	ACTA2	0.999760216	1.609815041	1.691268255	1.439882771	1.367055505	1.467066501	2.156111148
	TAGLN	0.866736628	1.387055124	1.615830099	1.275690536	1.096875924	1.129692282	1.7430435
	CALD1	0.484404916	0.97840058	1.590006499	1.519175809	0.835309763	1.313858282	1.808403701
Endothelial cell markers	PECAM1	1.58354899	1.832915643	1.866064454	1.712793036	1.688932036	1.532829867	1.649749558
Macrophage markers	CD163	2.538543128	3.053344558	3.090900757	3.098998154	2.503032914	2.824298174	2.711800805
	CD68	3.104487944	3.299102136	3.491726908	3.521691078	3.575981697	3.608392079	3.574049865
Growth factors	VEGFA	2.215341306	2.309408915	2.733029947	2.672291723	2.814251436	2.660552152	2.646783844
	HGF	0.082632604	0.303535474	0.310215592	0.336049817	0.069508464	0.226883541	0.699139548
	EGF	0.316823899	0.073653929	0.041947609	0	0.157169496	0.042740822	0.039712253
	TGFB1	2.652765024	2.721263805	2.504124777	2.472746257	2.600983587	2.647423691	2.735079787
	PDGFA	0.817396682	1.210134182	0.623343448	0.566900177	0.783579785	0.711688589	1.213889449
	NGF	0.013988075	0.058286399	0.092165188	0.07060517	0.055205024	0.022667688	0.253755593
Cytokines	IL1B	1.946629571	1.808014292	2.12478036	2.162273442	2.241204192	2.100836081	1.847000904
	IL6	1.359310616	1.727486251	1.336820788	1.539680048	1.094574712	1.39905142	1.618450435
	IL10	0.792255733	1.050949166	1.08025574	1.215969244	0.932993333	0.947418456	0.595218374
Extracellular markers	COL1A1	3.033139906	3.9148664	4.059968739	3.918887855	3.094621938	3.882960562	4.254397142
	COL1A2	2.639991791	3.460083212	3.76262089	3.668806241	2.922826624	3.608991021	3.959097825
	ELN	0.23333717	1.12247375	0.372137388	0.401156062	0.718865298	0.225109726	0.823461672

3			4			5			
2	**3**	**4**	**1**	**3**	**4**	**1**	**2**	**4**	**1**
0.095614373	0.10747895	0.011759756	0.006162949	0	0	0.044292683	0	0	0.042678607
0.018093203	0	0	0.015791794	0.015853317	0.015853317	0.073889771	0	0.153362151	0
2.307628791	2.345727284	2.567276322	2.788814629	2.926047818	2.926047818	2.573396717	2.757177683	2.69506049	1.839313069
1.771872243	1.717293207	1.713070084	1.76556324	1.881617763	1.881617763	1.892379985	2.110309998	2.007813899	0.973907287
1.56496743	1.646968591	1.661204689	1.441684831	1.389640439	1.389640439	1.411940363	1.533949673	1.575272979	1.25973784
2.562747881	2.520030289	2.062832532	1.007761236	1.024352907	1.024352907	1.700806324	1.322847405	1.091557388	2.209945084
2.683654072	2.737381015	2.556511323	2.408312133	2.396109919	2.396109919	2.718417868	2.501772895	2.737969165	2.706368262
3.086546664	3.176874824	1.774568082	1.409006304	1.316028066	1.316028066	1.80328014	1.762404148	1.439856619	2.656660278
2.588501935	2.573090998	1.645291534	1.040529958	1.0109584	1.0109584	1.563243727	1.357178763	1.354843087	2.704979534
2.363085658	2.474407904	1.55906502	0.76424907	0.743066211	0.743066211	1.604847106	1.286889183	1.091797716	2.182132022
2.393992628	2.494390783	1.673901848	1.524523495	1.670940642	1.670940642	1.885821727	1.886277628	1.905023128	1.934751444
2.870478837	2.801684653	3.110163654	2.778820453	3.07154332	3.07154332	3.235408259	2.937180487	3.282897025	2.69912985
3.0610295	2.920229304	3.507390589	3.740767635	3.664006845	3.664006845	3.508173713	3.689020051	3.547215411	2.401601936
2.057551324	2.15608339	2.77472219	2.616508701	2.648514303	2.648514303	2.697203812	2.492921127	2.789022136	2.046141455
0.888831866	0.97654007	0.145584165	0.11069445	0.221727387	0.221727387	0.523328949	0.518060691	0.473679176	0.223811379
0.015321288	0	0.025318235	0.287291039	0.013419272	0.013419272	0.032729571	0.031511503	0	0.046464118
2.324831028	2.217493863	2.601968863	2.806637107	2.594526334	2.594526334	2.402698167	2.531382238	2.470323152	2.2536332
1.434744818	1.490309457	1.053205898	0.623930133	0.625241571	0.625241571	0.836834653	0.748375114	0.773548001	1.531098833
0.545490204	0.586977979	0.253597344	0.077123558	0.020682204	0.020682204	0.172205431	0.091291089	0	0.183703196
1.507713064	1.529438081	1.655732162	1.788010548	1.763096831	1.763096831	1.64967095	1.517869516	1.899811736	0.787009874
1.787318639	1.901057486	2.439673375	0.800836953	1.172936443	1.172936443	1.470106582	1.051156187	1.933502479	1.546803566
1.099222403	1.061948252	1.030649118	0.833711716	1.010944811	1.010944811	1.300862625	1.112710307	1.417868063	0.338649458
4.739855971	4.653021064	4.362077514	3.218795	3.226496395	3.226496395	4.670894901	3.741627362	3.776500281	5.497960358
4.415037904	4.313733833	4.009455717	2.993553385	2.934801461	2.934801461	4.232630695	3.464164617	3.444162613	4.983254284
0.977266613	0.988077614	0.86044677	0.561031765	0.274918597	0.274918597	0.520271665	0.184564917	0.502443879	1.161612345

6			7			8		9	
2	3	4	1	2	3	1	2	1	2
0.053743278	0	0	0.028255817	0	0.035567234	0.013146337	0	0.01778843	0.017918155
0.046797267	0	0	0	0	0.086762028	0.120089399	0.176435408	0.044669748	0
2.621662163	2.644959774	1.556942238	2.638979109	2.648627522	2.629593321	2.488234107	2.659535798	2.312411624	2.756945616
1.861275112	1.906916775	0.655136458	1.893324217	1.863712855	1.861195943	1.555290015	1.685401879	1.486464668	1.87736973
1.649118281	1.743256278	1.092493007	1.764033946	1.745952898	1.9369467	1.203199225	0.970639576	1.252384983	1.735246706
2.227092371	1.558496271	2.006901091	1.425516788	1.230465697	1.825785003	1.783095338	0.984039884	1.989070589	2.016784622
2.868567761	2.930848756	2.631848436	2.694081126	2.622290222	2.733518593	2.739412233	2.473723183	2.752749002	2.535073252
2.930336673	2.222988393	2.392060167	1.793663388	1.502712423	2.282016614	1.950991304	1.336314664	2.460481388	2.607665917
2.531199629	1.877671539	2.624480538	1.427531621	1.218027468	2.002266111	1.704818871	1.613047064	2.128972819	1.942098251
2.212162053	1.57372648	2.107546356	1.462656643	1.339224478	1.956218677	1.362261888	0.87826875	1.948392364	1.987513279
2.217575082	2.026990438	1.796811671	2.106190074	1.942382895	1.949041216	1.853030944	1.630846041	2.419455194	2.335161055
3.280658739	3.385619879	2.517874428	3.216085998	3.227668369	3.168588122	2.903191451	2.74575533	3.083726786	2.98480299
3.370323901	3.577222872	2.092441622	3.716474853	3.612367397	3.355058225	3.304847421	3.24468044	3.069408941	3.363407445
2.406008115	2.216606445	2.033425788	2.676654214	2.589744128	2.593710336	2.817053015	3.164954116	2.597292075	2.708915311
0.615090404	0.54213299	0.13410506	0.536363078	0.431435617	0.483323869	0.146539669	0	0.459476065	0.737301431
0.141180114	0	0	0	0.060990557	0.038749736	0.054778481	0	0	0.073440897
2.453961156	2.377755275	2.269764297	2.409799065	2.3627426	2.426290112	2.589676876	2.735995961	2.429470513	2.33369771
1.556906875	0.923663678	1.645895405	0.606979281	0.659862679	1.206758647	1.297321631	0.855881659	1.371983243	1.206404462
0.160705521	0	0	0.08938028	0	0.236855695	0	0	0.432243169	0.269299087
1.731688299	1.846088755	0.3827212	1.481516525	1.687034252	1.598966596	1.884188043	1.72956751	1.423031306	1.850427781
1.47862351	1.518516517	1.843263109	1.571664158	1.372726899	1.76493468	1.086894984	1.066692331	1.901871399	1.290199511
1.01031044	1.32428974	0	1.370136174	1.29934289	1.250125909	0.839162003	0.583380577	0.982585145	1.064379544
4.843175753	3.911825874	5.601095016	4.021223319	3.881261625	4.653314583	4.790553376	4.174284526	5.161888957	4.148045363
4.475580145	3.610961303	4.94153558	3.788169874	3.611060876	4.35384637	4.368567222	3.651630358	4.670551902	3.927302162
1.110377838	0.697030007	1.298408359	0.4870204	0.083572483	0.670024351	0.267493987	0.092773404	1.290732851	0.407523005

		10			
3	**4**	**1**	**2**	**3**	**4**
0.03746705	0	0.020584653	0.027904723	0	0
0.047948028	0	0.09744328	0.128365902	0.07373346	0.081916431
2.267822646	2.861605465	2.37938588	2.565984618	2.855074388	2.766312509
1.488989077	1.905424371	1.777410924	1.843246724	1.999817911	2.040831989
1.583772031	1.715493428	1.604176531	1.830444827	2.039899732	1.998449966
2.246313504	1.337162233	1.828511045	1.592526808	1.649659061	1.570351352
2.728560253	2.510156235	2.843197427	2.727049211	2.564962165	2.802388051
2.604249327	1.800133775	1.81508922	1.658039936	1.757081873	1.573527433
2.18540545	1.474945313	1.795985578	1.624572213	1.353876669	1.476832618
2.168468859	1.400104165	1.747483786	1.527278295	1.586740581	1.443809043
2.444698035	2.011538536	2.054476495	1.938741696	1.989934822	2.074241783
3.099860697	3.219745449	3.237043396	3.236359487	3.126514286	3.310129295
3.029537639	3.500956448	3.238531766	3.439378328	3.580477291	3.535489244
2.19386064	2.781546054	3.025503373	3.213305919	2.969624013	2.889298837
0.820952933	0.520338028	0.634483711	0.352516013	0.535931063	0.465080401
0	0	0.043817364	0.11068305	0.091415499	0.036472373
2.259149486	2.424235237	2.507671823	2.633450935	2.432069524	2.434319269
1.203232707	0.544335408	1.018052576	0.808907671	0.795066337	0.984155756
0.537849605	0.219347358	0.497616519	0.161717021	0.320648568	0.148755629
1.011175586	2.025971849	1.126654994	1.793449222	2.280068434	2.066558131
1.619051744	1.588709494	1.838588733	1.811264034	1.68663787	1.74964618
0.946034915	1.119228124	1.298290653	1.217030608	1.12757793	1.364982545
5.049857259	3.958310505	4.998124873	4.495499338	4.184965341	4.165836472
4.685686257	3.704830752	4.58825455	4.160740337	3.967215669	3.870105313
1.627992287	0.488898162	1.136697143	0.852959326	0.644156787	0.715339428