

Table S19. Assignment of Curtis Set Clusters by Discovery Set Centroids.

Sample	Cluster 1 (LAR)		Cluster 2 (MES)		Cluster 3 (BLIS)		Cluster 4 (BLIA)		Assigned Subtype
	Distance	p-value	Distance	p-value	Distance	p-value	Distance	p-value	
MB.0035	0.033	0.00E+00	0.043	1.66E-01	0.043	2.89E-01	0.044	2.91E-01	1 (LAR)
MB.0115	0.040	2.63E-01	0.030	3.00E-04	0.028	0.00E+00	0.028	0.00E+00	4 (BLIA)
MB.0157	0.039	1.94E-02	0.032	0.00E+00	0.034	0.00E+00	0.029	0.00E+00	4 (BLIA)
MB.0158	0.032	0.00E+00	0.031	1.00E-04	0.036	4.50E-03	0.032	1.00E-04	2 (MES)
MB.0164	0.042	1.96E-01	0.035	2.00E-03	0.028	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.0206	0.042	2.25E-01	0.030	0.00E+00	0.032	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.0221	0.027	0.00E+00	0.032	3.50E-03	0.038	1.56E-01	0.035	5.60E-03	1 (LAR)
MB.0238	0.040	2.16E-01	0.032	1.60E-03	0.032	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.0249	0.026	0.00E+00	0.034	4.10E-03	0.037	3.20E-02	0.035	7.00E-03	1 (LAR)
MB.0292	0.026	0.00E+00	0.034	1.80E-03	0.038	3.87E-02	0.038	3.12E-02	1 (LAR)
MB.0316	0.044	6.14E-01	0.037	3.25E-02	0.031	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.0354	0.033	0.00E+00	0.031	7.00E-04	0.040	4.77E-02	0.031	0.00E+00	N/A
MB.0372	0.040	3.13E-01	0.032	6.00E-04	0.027	0.00E+00	0.027	0.00E+00	3 (BLIS)
MB.0400	0.042	2.25E-01	0.032	4.00E-04	0.028	0.00E+00	0.030	0.00E+00	3 (BLIS)
MB.0401	0.041	2.96E-01	0.028	1.00E-04	0.031	0.00E+00	0.031	0.00E+00	2 (MES)
MB.0420	0.041	2.60E-01	0.031	1.00E-04	0.025	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.0424	0.033	0.00E+00	0.022	0.00E+00	0.038	3.39E-02	0.037	7.70E-03	2 (MES)
MB.0446	0.038	4.66E-02	0.028	0.00E+00	0.030	0.00E+00	0.028	0.00E+00	2 (MES)
MB.0476	0.036	2.40E-03	0.025	0.00E+00	0.041	1.28E-01	0.036	2.50E-03	2 (MES)
MB.0481	0.042	3.07E-01	0.030	0.00E+00	0.029	0.00E+00	0.029	0.00E+00	N/A
MB.0494	0.033	0.00E+00	0.034	5.00E-04	0.038	5.20E-03	0.031	0.00E+00	4 (BLIA)
MB.0516	0.043	4.31E-01	0.034	2.30E-03	0.025	0.00E+00	0.026	0.00E+00	3 (BLIS)
MB.0525	0.029	0.00E+00	0.034	2.20E-03	0.034	1.10E-03	0.036	3.50E-03	1 (LAR)
MB.0581	0.030	0.00E+00	0.034	1.20E-03	0.032	4.00E-04	0.033	0.00E+00	1 (LAR)
MB.0608	0.041	1.27E-01	0.035	5.00E-04	0.031	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.0613	0.034	3.00E-04	0.031	0.00E+00	0.037	6.60E-03	0.034	0.00E+00	2 (MES)
MB.0658	0.041	2.81E-01	0.031	1.00E-04	0.030	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.0659	0.047	8.46E-01	0.038	4.80E-03	0.028	0.00E+00	0.038	1.40E-03	3 (BLIS)
MB.0664	0.045	6.84E-01	0.037	2.30E-02	0.027	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.0869	0.046	7.09E-01	0.035	9.00E-04	0.027	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.0906	0.033	0.00E+00	0.033	4.00E-04	0.039	1.47E-02	0.033	0.00E+00	1 (LAR)
MB.2735	0.024	0.00E+00	0.034	1.30E-03	0.041	2.30E-01	0.039	6.82E-02	1 (LAR)
MB.2753	0.040	2.21E-01	0.029	1.00E-04	0.028	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.2754	0.030	0.00E+00	0.026	0.00E+00	0.036	3.57E-02	0.037	7.79E-02	2 (MES)
MB.2827	0.042	3.22E-01	0.033	1.20E-03	0.029	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.2842	0.040	1.82E-01	0.033	2.80E-03	0.032	0.00E+00	0.029	0.00E+00	4 (BLIA)
MB.2849	0.034	1.20E-03	0.032	1.60E-03	0.036	7.80E-03	0.031	1.00E-04	4 (BLIA)
MB.2857	0.042	3.81E-01	0.029	0.00E+00	0.035	5.00E-04	0.030	0.00E+00	2 (MES)
MB.2912	0.042	4.77E-01	0.030	1.00E-04	0.027	0.00E+00	0.027	0.00E+00	N/A
MB.2917	0.040	1.63E-01	0.031	1.00E-04	0.031	0.00E+00	0.030	0.00E+00	4 (BLIA)
MB.2922	0.029	0.00E+00	0.035	5.70E-03	0.037	9.10E-03	0.033	1.00E-04	1 (LAR)
MB.2957	0.043	5.92E-01	0.030	0.00E+00	0.031	0.00E+00	0.028	0.00E+00	4 (BLIA)
MB.3014	0.040	2.15E-01	0.033	1.40E-03	0.032	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.3046	0.038	6.31E-02	0.027	0.00E+00	0.029	0.00E+00	0.032	0.00E+00	2 (MES)
MB.3057	0.046	8.02E-01	0.035	3.00E-03	0.028	0.00E+00	0.024	0.00E+00	4 (BLIA)
MB.3058	0.040	1.81E-01	0.031	1.00E-04	0.026	0.00E+00	0.029	0.00E+00	3 (BLIS)
MB.3063	0.040	1.21E-01	0.032	2.00E-04	0.027	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.3067	0.047	7.69E-01	0.033	1.00E-04	0.033	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.3123	0.040	1.34E-01	0.032	0.00E+00	0.032	0.00E+00	0.028	0.00E+00	4 (BLIA)
MB.3165	0.032	1.00E-04	0.036	3.20E-03	0.035	2.20E-03	0.036	1.20E-03	1 (LAR)
MB.3271	0.040	1.65E-01	0.030	0.00E+00	0.028	0.00E+00	0.024	0.00E+00	4 (BLIA)
MB.3277	0.041	3.74E-01	0.032	1.50E-03	0.027	0.00E+00	0.024	0.00E+00	4 (BLIA)
MB.3292	0.044	5.75E-01	0.030	1.00E-04	0.031	0.00E+00	0.028	0.00E+00	4 (BLIA)
MB.3367	0.040	1.59E-01	0.031	0.00E+00	0.035	9.00E-04	0.026	0.00E+00	4 (BLIA)
MB.3395	0.041	3.09E-01	0.027	0.00E+00	0.035	1.00E-04	0.031	0.00E+00	2 (MES)
MB.3453	0.032	1.00E-04	0.033	1.30E-03	0.033	1.00E-04	0.031	0.00E+00	4 (BLIA)
MB.3476	0.038	3.44E-02	0.033	4.00E-04	0.035	7.00E-04	0.026	0.00E+00	4 (BLIA)
MB.3502	0.039	2.78E-02	0.034	4.40E-03	0.031	0.00E+00	0.028	0.00E+00	4 (BLIA)
MB.3567	0.040	6.56E-02	0.033	8.00E-04	0.034	1.00E-04	0.030	0.00E+00	4 (BLIA)
MB.3702	0.040	1.07E-01	0.028	1.00E-04	0.035	2.00E-04	0.035	5.00E-04	2 (MES)
MB.3706	0.045	6.79E-01	0.035	1.40E-03	0.026	0.00E+00	0.026	0.00E+00	N/A
MB.3752	0.044	5.81E-01	0.033	5.00E-04	0.033	0.00E+00	0.029	0.00E+00	4 (BLIA)
MB.4146	0.044	6.11E-01	0.039	1.49E-01	0.034	2.00E-04	0.029	0.00E+00	4 (BLIA)
MB.4266	0.028	0.00E+00	0.036	8.30E-03	0.038	2.47E-02	0.037	5.30E-03	1 (LAR)
MB.4408	0.043	6.04E-01	0.038	1.09E-01	0.030	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.4622	0.046	8.27E-01	0.035	9.00E-03	0.030	0.00E+00	0.028	0.00E+00	4 (BLIA)
MB.4640	0.029	0.00E+00	0.031	1.00E-04	0.035	7.30E-03	0.035	1.60E-03	1 (LAR)
MB.4667	0.034	4.00E-04	0.032	1.00E-04	0.037	1.21E-02	0.032	0.00E+00	2 (MES)
MB.4712	0.030	0.00E+00	0.035	2.21E-02	0.037	2.94E-02	0.037	2.87E-02	1 (LAR)
MB.4715	0.044	6.10E-01	0.037	1.53E-02	0.028	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.4717	0.041	1.87E-01	0.035	1.00E-04	0.029	0.00E+00	0.030	0.00E+00	3 (BLIS)
MB.4732	0.042	4.32E-01	0.030	0.00E+00	0.028	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.4733	0.038	1.21E-02	0.032	2.00E-04	0.035	7.00E-04	0.031	0.00E+00	4 (BLIA)
MB.4757	0.040	2.91E-01	0.029	1.00E-04	0.028	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.4758	0.044	4.89E-01	0.037	3.40E-03	0.025	0.00E+00	0.033	0.00E+00	3 (BLIS)
MB.4809	0.041	3.76E-01	0.034	3.10E-03	0.027	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.4888	0.040	1.13E-01	0.028	0.00E+00	0.028	0.00E+00	0.028	0.00E+00	4 (BLIA)
MB.4911	0.043	3.77E-01	0.036	8.10E-03	0.026	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.4938	0.042	6.54E-01	0.030	1.00E-04	0.026	0.00E+00	0.032	0.00E+00	3 (BLIS)
MB.4945	0.041	5.02E-01	0.034	1.65E-02	0.029	0.00E+00	0.030	0.00E+00	3 (BLIS)
MB.4992	0.026	0.00E+00	0.032	0.00E+00	0.039	1.65E-01	0.039	8.15E-02	1 (LAR)
MB.4993	0.027	0.00E+00	0.034	1.30E-02	0.037	3.71E-02	0.036	8.20E-03	1 (LAR)
MB.5004	0.032	0.00E+00	0.037	2.28E-02	0.039	2.11E-02	0.035	3.00E-04	1 (LAR)
MB.5058	0.027	0.00E+00	0.032	1.90E-03	0.037	6.02E-02	0.035	7.20E-03	1 (LAR)
MB.5065	0.042	1.96E-01	0.035	1.90E-03	0.032	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.5070	0.041	2.03E-01	0.035	6.90E-03	0.030	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.5072	0.027	0.00E+00	0.033	2.80E-03	0.037	5.65E-02	0.038	7.36E-02	1 (LAR)

Table S19. Assignment of Curtis Set Clusters by Discovery Set Centroids.

Sample	Cluster 1 (LAR)		Cluster 2 (MES)		Cluster 3 (BLIS)		Cluster 4 (BLIA)		Assigned Subtype
	Distance	p-value	Distance	p-value	Distance	p-value	Distance	p-value	
MB.5076	0.045	7.47E-01	0.035	2.20E-03	0.027	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.5100	0.044	6.40E-01	0.035	5.00E-03	0.031	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.5115	0.043	6.41E-01	0.036	1.81E-02	0.027	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.5126	0.045	5.15E-01	0.039	7.47E-02	0.029	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.5137	0.041	3.51E-01	0.034	7.10E-03	0.029	0.00E+00	0.024	0.00E+00	4 (BLIA)
MB.5138	0.041	9.37E-02	0.039	4.74E-02	0.035	3.00E-04	0.027	0.00E+00	4 (BLIA)
MB.5205	0.036	4.60E-03	0.036	2.42E-02	0.034	1.00E-04	0.028	0.00E+00	4 (BLIA)
MB.5209	0.039	4.85E-02	0.037	1.05E-02	0.036	1.40E-03	0.029	0.00E+00	4 (BLIA)
MB.5213	0.031	0.00E+00	0.034	7.50E-03	0.035	5.50E-03	0.032	3.00E-04	1 (LAR)
MB.5222	0.036	5.50E-03	0.033	7.00E-04	0.037	7.70E-03	0.029	0.00E+00	4 (BLIA)
MB.5223	0.039	1.05E-01	0.029	0.00E+00	0.032	0.00E+00	0.031	0.00E+00	2 (MES)
MB.5232	0.040	1.61E-01	0.030	0.00E+00	0.030	0.00E+00	0.029	0.00E+00	4 (BLIA)
MB.5236	0.044	6.17E-01	0.038	4.51E-02	0.029	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.5258	0.044	8.38E-01	0.035	8.20E-03	0.024	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.5281	0.031	0.00E+00	0.035	7.00E-03	0.037	3.27E-02	0.040	1.82E-01	1 (LAR)
MB.5299	0.042	5.30E-01	0.033	5.70E-03	0.027	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.5301	0.029	0.00E+00	0.026	0.00E+00	0.036	3.18E-02	0.036	1.99E-02	2 (MES)
MB.5323	0.039	2.06E-01	0.028	0.00E+00	0.032	0.00E+00	0.028	0.00E+00	2 (MES)
MB.5325	0.038	3.21E-02	0.029	0.00E+00	0.031	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.5329	0.029	0.00E+00	0.029	0.00E+00	0.037	1.11E-02	0.037	1.20E-02	2 (MES)
MB.5348	0.042	3.92E-01	0.035	2.24E-02	0.029	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.5378	0.037	2.04E-02	0.036	2.20E-02	0.030	0.00E+00	0.030	0.00E+00	N/A
MB.5387	0.042	1.55E-01	0.040	6.10E-02	0.033	0.00E+00	0.029	0.00E+00	4 (BLIA)
MB.5390	0.042	4.97E-01	0.034	5.30E-03	0.027	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.5392	0.033	1.00E-04	0.032	8.00E-04	0.040	1.21E-01	0.035	6.00E-04	2 (MES)
MB.5421	0.041	5.72E-01	0.031	3.00E-04	0.027	0.00E+00	0.030	0.00E+00	3 (BLIS)
MB.5427	0.045	8.72E-01	0.036	1.29E-02	0.024	0.00E+00	0.032	0.00E+00	3 (BLIS)
MB.5446	0.028	0.00E+00	0.030	4.00E-04	0.038	1.45E-01	0.037	5.74E-02	1 (LAR)
MB.5482	0.038	8.42E-02	0.029	0.00E+00	0.031	0.00E+00	0.032	0.00E+00	2 (MES)
MB.5526	0.043	6.83E-01	0.032	1.10E-03	0.028	0.00E+00	0.028	0.00E+00	4 (BLIA)
MB.5529	0.044	6.47E-01	0.031	1.00E-04	0.028	0.00E+00	0.029	0.00E+00	3 (BLIS)
MB.5531	0.042	3.60E-01	0.029	0.00E+00	0.029	0.00E+00	0.028	0.00E+00	4 (BLIA)
MB.5548	0.038	6.11E-02	0.030	0.00E+00	0.030	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.5551	0.036	1.92E-02	0.029	0.00E+00	0.026	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.5560	0.040	1.34E-01	0.028	0.00E+00	0.031	0.00E+00	0.028	0.00E+00	2 (MES)
MB.5602	0.034	8.00E-04	0.032	4.00E-04	0.036	4.00E-03	0.030	0.00E+00	4 (BLIA)
MB.5616	0.040	1.89E-01	0.031	1.00E-04	0.031	0.00E+00	0.024	0.00E+00	4 (BLIA)
MB.5625	0.040	4.23E-01	0.033	1.80E-03	0.023	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.5634	0.043	4.03E-01	0.036	1.50E-02	0.032	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.5651	0.034	6.00E-04	0.032	2.00E-04	0.037	7.10E-03	0.031	0.00E+00	4 (BLIA)
MB.0020	0.030	0.00E+00	0.026	0.00E+00	0.037	2.52E-02	0.038	7.54E-02	2 (MES)
MB.0062	0.042	3.82E-01	0.035	7.00E-03	0.030	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.0079	0.028	0.00E+00	0.028	0.00E+00	0.040	3.34E-01	0.038	4.71E-02	N/A
MB.0100	0.042	5.22E-01	0.030	0.00E+00	0.030	0.00E+00	0.029	0.00E+00	4 (BLIA)
MB.0149	0.046	8.34E-01	0.039	2.96E-02	0.027	0.00E+00	0.033	0.00E+00	3 (BLIS)
MB.0163	0.043	5.58E-01	0.034	1.00E-03	0.023	0.00E+00	0.029	0.00E+00	3 (BLIS)
MB.0174	0.040	1.54E-01	0.031	0.00E+00	0.032	0.00E+00	0.028	0.00E+00	4 (BLIA)
MB.0179	0.035	1.00E-04	0.027	0.00E+00	0.043	1.91E-01	0.037	4.10E-03	2 (MES)
MB.0191	0.039	6.77E-02	0.029	0.00E+00	0.028	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.0200	0.043	6.11E-01	0.033	9.00E-04	0.027	0.00E+00	0.027	0.00E+00	N/A
MB.0259	0.046	8.11E-01	0.036	3.00E-03	0.027	0.00E+00	0.030	0.00E+00	3 (BLIS)
MB.0269	0.035	1.80E-03	0.027	0.00E+00	0.037	2.04E-02	0.034	6.00E-04	2 (MES)
MB.0303	0.042	5.32E-01	0.029	0.00E+00	0.031	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.0318	0.042	3.29E-01	0.034	2.00E-04	0.033	1.00E-04	0.040	4.14E-02	3 (BLIS)
MB.0350	0.039	1.76E-01	0.032	1.00E-04	0.028	0.00E+00	0.032	1.00E-04	3 (BLIS)
MB.0396	0.046	7.53E-01	0.037	1.98E-02	0.028	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.0399	0.026	0.00E+00	0.036	1.06E-02	0.040	1.30E-01	0.039	3.19E-02	1 (LAR)
MB.0414	0.046	7.64E-01	0.035	2.40E-03	0.029	0.00E+00	0.024	0.00E+00	4 (BLIA)
MB.0436	0.030	0.00E+00	0.031	0.00E+00	0.037	7.80E-03	0.034	2.00E-04	1 (LAR)
MB.0464	0.031	0.00E+00	0.031	1.00E-04	0.037	1.76E-02	0.032	3.00E-04	2 (MES)
MB.0489	0.037	1.92E-02	0.026	0.00E+00	0.041	1.72E-01	0.035	1.20E-03	2 (MES)
MB.0558	0.044	4.69E-01	0.037	8.70E-03	0.032	0.00E+00	0.028	0.00E+00	4 (BLIA)
MB.0582	0.043	4.88E-01	0.037	1.22E-02	0.028	0.00E+00	0.030	0.00E+00	3 (BLIS)
MB.0588	0.030	0.00E+00	0.031	2.70E-03	0.037	9.26E-02	0.036	2.57E-02	1 (LAR)
MB.0627	0.036	1.00E-03	0.029	0.00E+00	0.041	8.67E-02	0.035	4.00E-04	2 (MES)
MB.0639	0.038	4.16E-02	0.028	0.00E+00	0.027	0.00E+00	0.030	0.00E+00	3 (BLIS)
MB.0874	0.044	5.81E-01	0.036	5.20E-03	0.027	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.0901	0.041	2.22E-01	0.036	7.70E-03	0.030	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.2718	0.047	7.80E-01	0.039	8.20E-02	0.031	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.2724	0.040	6.18E-02	0.032	0.00E+00	0.040	4.73E-02	0.033	0.00E+00	2 (MES)
MB.2833	0.041	4.75E-01	0.029	0.00E+00	0.034	3.00E-04	0.029	0.00E+00	4 (BLIA)
MB.2846	0.030	0.00E+00	0.030	7.00E-04	0.037	6.19E-02	0.036	1.38E-02	2 (MES)
MB.2850	0.042	4.50E-01	0.028	0.00E+00	0.033	0.00E+00	0.028	0.00E+00	4 (BLIA)
MB.2904	0.042	2.69E-01	0.035	4.90E-03	0.031	0.00E+00	0.029	0.00E+00	4 (BLIA)
MB.2929	0.028	0.00E+00	0.028	0.00E+00	0.039	1.14E-01	0.037	3.23E-02	N/A
MB.2993	0.038	9.23E-02	0.027	0.00E+00	0.032	0.00E+00	0.033	0.00E+00	2 (MES)
MB.3001	0.042	5.71E-01	0.032	1.60E-03	0.028	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.3062	0.040	1.12E-01	0.025	0.00E+00	0.035	2.00E-04	0.032	0.00E+00	2 (MES)
MB.3153	0.036	4.30E-03	0.036	9.80E-03	0.036	3.10E-03	0.032	0.00E+00	4 (BLIA)
MB.3211	0.043	5.04E-01	0.034	1.30E-03	0.029	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.3218	0.044	5.60E-01	0.032	0.00E+00	0.030	0.00E+00	0.031	0.00E+00	3 (BLIS)
MB.3297	0.040	5.06E-01	0.031	2.00E-03	0.028	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.3383	0.039	1.22E-01	0.028	0.00E+00	0.030	0.00E+00	0.030	0.00E+00	2 (MES)
MB.3396	0.032	0.00E+00	0.033	2.00E-04	0.038	9.80E-03	0.034	0.00E+00	1 (LAR)
MB.3500	0.044	6.97E-01	0.035	6.60E-03	0.029	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.4015	0.029	0.00E+00	0.036	4.70E-03	0.038	1.54E-02	0.036	6.00E-04	1 (LAR)
MB.4024	0.042	4.62E-01	0.035	2.70E-03	0.027	0.00E+00	0.027	0.00E+00	3 (BLIS)

Table S19. Assignment of Curtis Set Clusters by Discovery Set Centroids.

Sample	Cluster 1 (LAR)		Cluster 2 (MES)		Cluster 3 (BLIS)		Cluster 4 (BLIA)		Assigned Subtype
	Distance	p-value	Distance	p-value	Distance	p-value	Distance	p-value	
MB.4254	0.042	3.20E-01	0.036	7.70E-03	0.030	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.4303	0.036	1.50E-03	0.038	9.15E-02	0.037	6.90E-03	0.032	0.00E+00	4 (BLIA)
MB.4332	0.046	8.19E-01	0.040	1.28E-01	0.027	0.00E+00	0.027	0.00E+00	N/A
MB.4407	0.045	5.54E-01	0.039	2.36E-02	0.026	0.00E+00	0.029	0.00E+00	3 (BLIS)
MB.4416	0.044	4.52E-01	0.038	3.88E-02	0.032	0.00E+00	0.028	0.00E+00	4 (BLIA)
MB.4417	0.043	5.32E-01	0.037	4.41E-02	0.031	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.4621	0.039	6.96E-02	0.033	2.00E-04	0.030	0.00E+00	0.030	0.00E+00	4 (BLIA)
MB.4660	0.051	9.86E-01	0.042	1.15E-01	0.030	0.00E+00	0.033	0.00E+00	3 (BLIS)
MB.4679	0.044	3.87E-01	0.039	3.59E-02	0.032	0.00E+00	0.023	0.00E+00	4 (BLIA)
MB.4696	0.039	6.68E-02	0.033	8.00E-04	0.034	6.00E-04	0.030	0.00E+00	4 (BLIA)
MB.4707	0.044	6.10E-01	0.034	1.00E-03	0.026	0.00E+00	0.026	0.00E+00	N/A
MB.4714	0.040	1.40E-01	0.035	1.00E-03	0.031	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.4769	0.040	1.30E-01	0.036	7.80E-03	0.027	0.00E+00	0.030	0.00E+00	3 (BLIS)
MB.4792	0.042	3.77E-01	0.034	1.10E-03	0.024	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.4793	0.041	1.81E-01	0.034	1.70E-03	0.032	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.4865	0.042	3.86E-01	0.033	2.70E-03	0.027	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.4881	0.043	6.70E-01	0.034	6.60E-03	0.024	0.00E+00	0.027	0.00E+00	3 (BLIS)
MB.4893	0.039	1.05E-01	0.029	0.00E+00	0.031	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.4904	0.036	1.70E-03	0.037	2.23E-02	0.039	1.48E-02	0.031	0.00E+00	4 (BLIA)
MB.4931	0.040	1.56E-01	0.033	2.60E-03	0.031	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.4942	0.044	4.49E-01	0.035	8.00E-04	0.035	4.00E-04	0.026	0.00E+00	4 (BLIA)
MB.4974	0.044	5.04E-01	0.037	5.90E-03	0.030	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.4987	0.030	0.00E+00	0.031	0.00E+00	0.045	5.62E-01	0.045	5.75E-01	1 (LAR)
MB.5008	0.036	1.30E-03	0.037	1.55E-02	0.036	5.60E-03	0.035	2.00E-04	4 (BLIA)
MB.5057	0.042	4.06E-01	0.034	2.30E-03	0.028	0.00E+00	0.029	0.00E+00	3 (BLIS)
MB.5102	0.036	4.50E-03	0.035	9.50E-03	0.031	0.00E+00	0.029	0.00E+00	4 (BLIA)
MB.5135	0.048	9.26E-01	0.039	1.92E-02	0.028	0.00E+00	0.033	0.00E+00	3 (BLIS)
MB.5155	0.029	0.00E+00	0.030	0.00E+00	0.036	6.00E-03	0.037	1.67E-02	1 (LAR)
MB.5173	0.043	4.17E-01	0.033	4.00E-04	0.025	0.00E+00	0.029	0.00E+00	3 (BLIS)
MB.5208	0.041	2.98E-01	0.035	5.40E-03	0.027	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.5225	0.041	4.28E-01	0.032	7.00E-04	0.029	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.5255	0.037	1.99E-02	0.024	0.00E+00	0.039	8.82E-02	0.036	6.50E-03	2 (MES)
MB.5295	0.039	1.99E-01	0.031	4.00E-04	0.025	0.00E+00	0.031	1.00E-04	3 (BLIS)
MB.5298	0.043	4.40E-01	0.037	1.82E-02	0.030	0.00E+00	0.024	0.00E+00	4 (BLIA)
MB.5335	0.042	5.01E-01	0.034	3.10E-03	0.026	0.00E+00	0.030	0.00E+00	3 (BLIS)
MB.5346	0.043	6.22E-01	0.038	7.91E-02	0.028	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.5440	0.041	2.74E-01	0.034	5.20E-03	0.030	0.00E+00	0.023	0.00E+00	4 (BLIA)
MB.5450	0.039	9.15E-02	0.028	0.00E+00	0.028	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.5465	0.040	5.21E-01	0.030	2.00E-04	0.026	0.00E+00	0.030	0.00E+00	3 (BLIS)
MB.5547	0.041	3.06E-01	0.036	1.43E-02	0.024	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.5566	0.042	4.46E-01	0.032	1.10E-03	0.027	0.00E+00	0.027	0.00E+00	3 (BLIS)
MB.5572	0.041	3.03E-01	0.032	5.00E-04	0.033	1.00E-04	0.024	0.00E+00	4 (BLIA)
MB.5624	0.043	4.54E-01	0.033	1.00E-03	0.029	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.5633	0.036	2.60E-03	0.035	8.20E-03	0.039	3.74E-02	0.031	0.00E+00	4 (BLIA)
MB.5652	0.034	1.00E-03	0.030	2.00E-04	0.039	1.02E-01	0.039	1.48E-01	2 (MES)
MB.5655	0.044	7.44E-01	0.037	4.45E-02	0.026	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.6052	0.038	2.12E-02	0.027	0.00E+00	0.038	4.90E-03	0.036	1.20E-03	2 (MES)
MB.6055	0.043	5.45E-01	0.034	2.90E-03	0.030	0.00E+00	0.023	0.00E+00	4 (BLIA)
MB.6058	0.040	1.84E-01	0.029	1.00E-04	0.030	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.6062	0.043	2.58E-01	0.036	6.20E-03	0.035	2.00E-04	0.026	0.00E+00	4 (BLIA)
MB.6098	0.041	5.13E-01	0.031	8.00E-04	0.026	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.6143	0.040	3.13E-01	0.028	0.00E+00	0.028	0.00E+00	0.033	2.00E-04	N/A
MB.6178	0.043	5.48E-01	0.032	1.00E-04	0.027	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.6188	0.040	1.35E-01	0.033	5.00E-04	0.032	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.6223	0.033	1.00E-04	0.031	0.00E+00	0.040	1.04E-01	0.034	9.00E-04	2 (MES)
MB.6237	0.042	3.99E-01	0.033	1.40E-03	0.026	0.00E+00	0.027	0.00E+00	3 (BLIS)
MB.6242	0.040	6.97E-02	0.035	1.90E-03	0.031	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.6245	0.045	8.00E-01	0.036	1.17E-02	0.026	0.00E+00	0.030	0.00E+00	3 (BLIS)
MB.6248	0.043	3.91E-01	0.036	1.19E-02	0.029	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.6251	0.040	1.83E-01	0.031	0.00E+00	0.025	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.6272	0.041	3.98E-01	0.030	1.00E-04	0.027	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.6280	0.042	3.57E-01	0.036	5.40E-03	0.029	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.6305	0.038	7.10E-03	0.032	0.00E+00	0.038	5.10E-03	0.029	0.00E+00	4 (BLIA)
MB.6336	0.044	5.58E-01	0.037	2.07E-02	0.029	0.00E+00	0.029	0.00E+00	4 (BLIA)
MB.7007	0.038	3.92E-02	0.034	2.10E-03	0.034	5.00E-04	0.029	0.00E+00	4 (BLIA)
MB.7008	0.032	0.00E+00	0.027	0.00E+00	0.044	4.30E-01	0.043	2.30E-01	2 (MES)
MB.7009	0.043	4.88E-01	0.031	0.00E+00	0.026	0.00E+00	0.029	0.00E+00	3 (BLIS)
MB.7012	0.045	5.33E-01	0.038	1.22E-02	0.027	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.7017	0.045	6.24E-01	0.035	4.70E-03	0.027	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.7018	0.027	0.00E+00	0.028	0.00E+00	0.042	3.62E-01	0.039	6.62E-02	1 (LAR)
MB.7023	0.039	4.17E-02	0.031	0.00E+00	0.032	2.00E-04	0.027	0.00E+00	4 (BLIA)
MB.7025	0.041	1.73E-01	0.025	0.00E+00	0.035	2.00E-04	0.030	0.00E+00	2 (MES)
MB.7031	0.040	6.67E-02	0.036	2.40E-03	0.028	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.7036	0.044	4.50E-01	0.036	3.10E-03	0.028	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.7038	0.040	3.87E-01	0.029	0.00E+00	0.026	0.00E+00	0.030	0.00E+00	3 (BLIS)
MB.7045	0.029	0.00E+00	0.032	6.00E-04	0.040	2.11E-01	0.037	2.19E-02	1 (LAR)
MB.7049	0.042	4.98E-01	0.039	2.04E-01	0.032	0.00E+00	0.035	7.00E-04	3 (BLIS)
MB.7052	0.042	5.98E-01	0.032	5.00E-04	0.030	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.7055	0.037	2.06E-02	0.036	1.01E-02	0.032	0.00E+00	0.034	3.00E-04	3 (BLIS)
MB.7057	0.029	0.00E+00	0.027	0.00E+00	0.036	1.60E-02	0.037	3.29E-02	2 (MES)
MB.7066	0.028	0.00E+00	0.032	5.50E-03	0.037	2.00E-01	0.038	2.29E-01	1 (LAR)
MB.7078	0.038	3.00E-03	0.033	0.00E+00	0.038	5.80E-03	0.034	0.00E+00	2 (MES)
MB.7081	0.043	3.25E-01	0.032	1.00E-04	0.033	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.7087	0.041	1.33E-01	0.037	6.70E-03	0.032	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.7089	0.041	2.25E-01	0.031	2.00E-04	0.030	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.7090	0.035	8.00E-04	0.036	3.00E-03	0.030	0.00E+00	0.032	0.00E+00	3 (BLIS)
MB.7114	0.046	7.91E-01	0.037	2.13E-02	0.031	0.00E+00	0.028	0.00E+00	4 (BLIA)

Table S19. Assignment of Curtis Set Clusters by Discovery Set Centroids.

Sample	Cluster 1 (LAR)		Cluster 2 (MES)		Cluster 3 (BLIS)		Cluster 4 (BLIA)		Assigned
	Distance	p-value	Distance	p-value	Distance	p-value	Distance	p-value	
MB.7119	0.041	3.84E-01	0.034	4.70E-03	0.026	0.00E+00	0.024	0.00E+00	4 (BLIA)
MB.7121	0.041	3.10E-01	0.031	5.00E-04	0.032	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.7145	0.043	6.72E-01	0.034	2.00E-03	0.027	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.7154	0.041	2.37E-01	0.033	5.00E-04	0.032	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.7155	0.039	7.44E-02	0.031	1.00E-04	0.029	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.7158	0.041	1.45E-01	0.029	0.00E+00	0.033	0.00E+00	0.029	0.00E+00	2 (MES)
MB.7159	0.043	5.33E-01	0.039	5.40E-02	0.027	0.00E+00	0.037	3.80E-03	3 (BLIS)
MB.7165	0.045	6.39E-01	0.038	4.79E-02	0.029	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.7205	0.039	1.36E-01	0.029	0.00E+00	0.029	0.00E+00	0.027	0.00E+00	4 (BLIA)
MB.7208	0.032	0.00E+00	0.036	5.80E-03	0.040	8.97E-02	0.035	1.00E-04	1 (LAR)
MB.7225	0.043	5.55E-01	0.034	2.00E-04	0.025	0.00E+00	0.028	0.00E+00	3 (BLIS)
MB.7258	0.037	1.13E-02	0.036	5.30E-03	0.031	0.00E+00	0.031	0.00E+00	4 (BLIA)
MB.7267	0.040	3.52E-01	0.030	0.00E+00	0.026	0.00E+00	0.025	0.00E+00	4 (BLIA)
MB.7269	0.043	4.65E-01	0.034	6.10E-03	0.029	0.00E+00	0.026	0.00E+00	4 (BLIA)
MB.7270	0.036	1.41E-02	0.033	2.90E-03	0.035	5.50E-03	0.032	2.00E-04	4 (BLIA)

Table S20. Assignment of Sabatier Set Clusters by Discovery Set Centroids.

Sample	Cluster 1 (LAR)		Cluster 2 (MES)		Cluster 3 (BLIS)		Cluster 4 (BLIA)		Assigned Subtype
	Distance	p-value	Distance	p-value	Distance	p-value	Distance	p-value	
GSM540113	0.028	0.00E+00	0.026	0.00E+00	0.037	5.70E-03	0.035	1.00E-04	2 (MES)
GSM540115	0.034	2.00E-04	0.023	0.00E+00	0.040	1.06E-01	0.039	7.40E-02	2 (MES)
GSM540117	0.048	7.97E-01	0.039	9.80E-03	0.025	0.00E+00	0.022	0.00E+00	4 (BLIA)
GSM540118	0.047	8.39E-01	0.034	1.50E-03	0.028	0.00E+00	0.022	0.00E+00	4 (BLIA)
GSM540119	0.035	6.00E-04	0.036	8.30E-03	0.035	6.00E-04	0.028	0.00E+00	4 (BLIA)
GSM540123	0.026	0.00E+00	0.035	1.00E-04	0.039	3.67E-02	0.040	4.29E-02	1 (LAR)
GSM540125	0.042	7.80E-02	0.038	9.80E-03	0.036	1.00E-04	0.028	0.00E+00	4 (BLIA)
GSM540127	0.045	5.48E-01	0.033	0.00E+00	0.018	0.00E+00	0.022	0.00E+00	3 (BLIS)
GSM540130	0.046	2.50E-01	0.043	2.74E-02	0.042	1.62E-02	0.034	0.00E+00	4 (BLIA)
GSM540132	0.050	9.12E-01	0.037	3.20E-03	0.031	0.00E+00	0.022	0.00E+00	4 (BLIA)
GSM540138	0.043	2.55E-01	0.037	4.50E-03	0.022	0.00E+00	0.027	0.00E+00	3 (BLIS)
GSM540140	0.042	1.29E-01	0.031	0.00E+00	0.021	0.00E+00	0.025	0.00E+00	3 (BLIS)
GSM540143	0.033	0.00E+00	0.025	0.00E+00	0.044	3.94E-01	0.043	3.61E-01	2 (MES)
GSM540144	0.023	0.00E+00	0.039	6.84E-02	0.042	4.80E-01	0.043	3.62E-01	1 (LAR)
GSM540146	0.049	9.55E-01	0.033	1.00E-04	0.023	0.00E+00	0.032	0.00E+00	3 (BLIS)
GSM540151	0.049	9.23E-01	0.038	2.10E-03	0.021	0.00E+00	0.029	0.00E+00	3 (BLIS)
GSM540157	0.031	0.00E+00	0.025	0.00E+00	0.040	8.77E-02	0.039	4.98E-02	2 (MES)
GSM540158	0.046	8.41E-01	0.032	2.00E-04	0.032	0.00E+00	0.041	1.08E-01	3 (BLIS)
GSM540159	0.031	0.00E+00	0.029	2.00E-04	0.036	1.79E-02	0.036	3.69E-02	2 (MES)
GSM540160	0.027	0.00E+00	0.036	1.65E-02	0.043	3.47E-01	0.037	8.40E-03	1 (LAR)
GSM540164	0.026	0.00E+00	0.033	9.00E-04	0.038	3.76E-02	0.036	2.40E-03	1 (LAR)
GSM540167	0.047	8.20E-01	0.034	8.00E-04	0.033	0.00E+00	0.027	0.00E+00	4 (BLIA)
GSM540176	0.041	3.37E-02	0.039	7.00E-04	0.029	0.00E+00	0.027	0.00E+00	4 (BLIA)
GSM540178	0.023	0.00E+00	0.037	8.40E-03	0.046	8.89E-01	0.049	9.62E-01	1 (LAR)
GSM540179	0.027	0.00E+00	0.041	5.07E-01	0.042	2.10E-01	0.036	1.90E-03	1 (LAR)
GSM540181	0.043	4.22E-01	0.034	6.00E-04	0.026	0.00E+00	0.019	0.00E+00	4 (BLIA)
GSM540183	0.045	6.46E-01	0.034	0.00E+00	0.026	0.00E+00	0.025	0.00E+00	4 (BLIA)
GSM540195	0.043	2.92E-01	0.030	0.00E+00	0.030	0.00E+00	0.025	0.00E+00	4 (BLIA)
GSM540201	0.038	0.00E+00	0.051	8.78E-01	0.046	6.24E-01	0.048	4.92E-01	1 (LAR)
GSM540209	0.041	1.80E-01	0.032	3.00E-04	0.023	0.00E+00	0.025	0.00E+00	3 (BLIS)
GSM540215	0.049	8.52E-01	0.039	4.44E-02	0.030	0.00E+00	0.023	0.00E+00	4 (BLIA)
GSM540219	0.045	4.40E-01	0.035	2.00E-04	0.029	0.00E+00	0.018	0.00E+00	4 (BLIA)
GSM540237	0.043	3.55E-01	0.032	2.00E-04	0.030	0.00E+00	0.025	0.00E+00	4 (BLIA)
GSM540238	0.044	3.23E-01	0.032	0.00E+00	0.023	0.00E+00	0.023	0.00E+00	4 (BLIA)
GSM540242	0.040	3.73E-02	0.027	0.00E+00	0.037	1.70E-03	0.041	1.05E-01	2 (MES)
GSM540248	0.048	7.25E-01	0.039	2.93E-02	0.029	0.00E+00	0.023	0.00E+00	4 (BLIA)
GSM540249	0.046	7.15E-01	0.032	3.00E-04	0.028	0.00E+00	0.020	0.00E+00	4 (BLIA)
GSM540250	0.026	0.00E+00	0.035	7.10E-03	0.035	3.80E-03	0.034	5.00E-04	1 (LAR)
GSM540254	0.048	8.30E-01	0.036	2.80E-03	0.027	0.00E+00	0.022	0.00E+00	4 (BLIA)
GSM540255	0.042	3.20E-01	0.029	0.00E+00	0.025	0.00E+00	0.023	0.00E+00	4 (BLIA)
GSM540256	0.049	8.98E-01	0.036	3.70E-03	0.031	0.00E+00	0.022	0.00E+00	4 (BLIA)
GSM540260	0.043	5.36E-01	0.030	0.00E+00	0.022	0.00E+00	0.022	0.00E+00	N/A
GSM540261	0.043	1.38E-01	0.040	1.06E-02	0.029	0.00E+00	0.029	0.00E+00	4 (BLIA)
GSM540263	0.036	1.50E-03	0.028	0.00E+00	0.035	0.00E+00	0.038	2.89E-02	2 (MES)
GSM540264	0.051	9.45E-01	0.041	4.90E-02	0.026	0.00E+00	0.022	0.00E+00	4 (BLIA)
GSM540271	0.048	8.42E-01	0.037	2.10E-03	0.027	0.00E+00	0.018	0.00E+00	4 (BLIA)
GSM540273	0.042	1.66E-02	0.044	9.62E-02	0.042	1.94E-02	0.030	0.00E+00	4 (BLIA)
GSM540276	0.045	5.18E-01	0.039	5.53E-02	0.022	0.00E+00	0.025	0.00E+00	3 (BLIS)
GSM540281	0.045	6.87E-01	0.030	0.00E+00	0.025	0.00E+00	0.024	0.00E+00	4 (BLIA)
GSM540285	0.051	9.36E-01	0.042	4.32E-02	0.022	0.00E+00	0.020	0.00E+00	4 (BLIA)
GSM540288	0.050	9.55E-01	0.040	2.31E-02	0.021	0.00E+00	0.024	0.00E+00	3 (BLIS)
GSM540292	0.046	9.28E-01	0.031	1.00E-04	0.027	0.00E+00	0.024	0.00E+00	4 (BLIA)
GSM540293	0.042	1.35E-01	0.028	0.00E+00	0.042	6.51E-02	0.048	9.02E-01	2 (MES)
GSM540294	0.047	5.08E-01	0.038	6.80E-03	0.033	0.00E+00	0.021	0.00E+00	4 (BLIA)
GSM540302	0.048	6.97E-01	0.042	5.00E-03	0.027	0.00E+00	0.035	0.00E+00	3 (BLIS)
GSM540308	0.039	3.64E-02	0.025	0.00E+00	0.034	1.00E-04	0.038	8.60E-03	2 (MES)
GSM540314	0.045	7.95E-01	0.028	0.00E+00	0.034	0.00E+00	0.032	0.00E+00	2 (MES)
GSM540339	0.028	0.00E+00	0.034	3.00E-04	0.037	2.87E-02	0.035	1.40E-03	1 (LAR)
GSM540346	0.028	0.00E+00	0.036	3.30E-03	0.038	3.10E-02	0.038	9.30E-03	1 (LAR)
GSM540348	0.050	8.86E-01	0.041	4.70E-02	0.026	0.00E+00	0.023	0.00E+00	4 (BLIA)
GSM540349	0.028	0.00E+00	0.041	1.16E-01	0.043	3.66E-01	0.044	3.46E-01	1 (LAR)
GSM540350	0.027	0.00E+00	0.036	3.90E-03	0.041	1.41E-01	0.037	2.10E-03	1 (LAR)
GSM540351	0.049	9.11E-01	0.037	1.10E-03	0.020	0.00E+00	0.031	0.00E+00	3 (BLIS)
GSM540352	0.048	9.47E-01	0.032	0.00E+00	0.025	0.00E+00	0.031	0.00E+00	3 (BLIS)
GSM540353	0.033	2.00E-04	0.038	1.01E-01	0.033	6.00E-04	0.027	0.00E+00	4 (BLIA)
GSM540354	0.025	0.00E+00	0.041	1.07E-01	0.042	2.28E-01	0.038	4.90E-03	1 (LAR)
GSM540355	0.043	3.70E-01	0.025	0.00E+00	0.035	0.00E+00	0.028	0.00E+00	2 (MES)
GSM540356	0.045	7.39E-01	0.035	2.00E-03	0.025	0.00E+00	0.022	0.00E+00	4 (BLIA)
GSM540357	0.052	8.84E-01	0.045	1.87E-01	0.030	0.00E+00	0.023	0.00E+00	4 (BLIA)
GSM540358	0.030	0.00E+00	0.037	7.43E-02	0.035	3.60E-03	0.029	0.00E+00	4 (BLIA)
GSM540359	0.052	9.47E-01	0.044	1.49E-01	0.029	0.00E+00	0.021	0.00E+00	4 (BLIA)
GSM540360	0.051	9.89E-01	0.039	4.54E-02	0.027	0.00E+00	0.022	0.00E+00	4 (BLIA)
GSM540361	0.041	3.00E-01	0.032	1.70E-03	0.032	0.00E+00	0.026	0.00E+00	4 (BLIA)
GSM540362	0.044	5.99E-01	0.033	3.00E-04	0.023	0.00E+00	0.025	0.00E+00	3 (BLIS)
GSM540363	0.037	0.00E+00	0.048	4.99E-01	0.043	1.30E-01	0.045	9.24E-02	1 (LAR)
GSM540364	0.034	1.00E-04	0.037	3.80E-02	0.042	1.13E-01	0.032	0.00E+00	4 (BLIA)
GSM540365	0.040	1.87E-01	0.027	0.00E+00	0.034	0.00E+00	0.032	0.00E+00	2 (MES)
GSM540366	0.049	9.58E-01	0.038	1.50E-03	0.018	0.00E+00	0.028	0.00E+00	3 (BLIS)
GSM540367	0.045	5.41E-01	0.033	0.00E+00	0.023	0.00E+00	0.032	0.00E+00	3 (BLIS)
GSM540368	0.051	8.90E-01	0.041	8.00E-03	0.025	0.00E+00	0.030	0.00E+00	3 (BLIS)
GSM540369	0.049	9.43E-01	0.040	9.11E-02	0.028	0.00E+00	0.025	0.00E+00	4 (BLIA)
GSM540370	0.034	0.00E+00	0.040	9.76E-02	0.040	2.21E-02	0.031	0.00E+00	4 (BLIA)
GSM540371	0.046	8.89E-01	0.033	1.10E-03	0.021	0.00E+00	0.024	0.00E+00	3 (BLIS)
GSM540372	0.049	8.98E-01	0.037	1.80E-03	0.020	0.00E+00	0.026	0.00E+00	3 (BLIS)
GSM540373	0.044	5.25E-01	0.034	3.40E-03	0.031	0.00E+00	0.022	0.00E+00	4 (BLIA)

Table S21. Summary of Subtype Assignment by Data Set.

Discovery samples successfully classified by centroids (n = 84)

NMF Cluster	Assigned Subtype			
	1 (LAR)	2 (MES)	3 (BLIS)	4 (BLIA)
1 (LAR)	18	0	0	1
2 (MES)	0	13	1	1
3 (BLIS)	0	1	24	0
4 (BLIA)	0	1	0	24
Rand Index: 0.944; <i>p</i> -value<0.0001				

Validation samples successfully classified by centroid (n = 114)

NMF Cluster	Assigned Subtype			
	1 (LAR)	2 (MES)	3 (BLIS)	4 (BLIA)
1 (LAR)	15	3	0	0
2 (MES)	2	21	1	8
3 (BLIS)	0	0	29	6
4 (BLIA)	0	0	3	26
Rand Index: 0.817; <i>p</i> -value<0.0001				

External samples successfully classified by centroid (n = 186)

Source	Assigned Subtype			
	1 (LAR)	2 (MES)	3 (BLIS)	4 (BLIA)
GSE7904	0	2	4	11
GSE18864	0	0	0	0
GSE18728	0	2	1	6
GSE19615	3	1	6	5
GSE21653	14	12	18	40
GSE26639	9	6	13	23
GSE2109	6	6	9	23
Total	32	29	51	108

Table S22. Comparison of Subtype Assignment of Public Data Versus Study Sets

Fisher Exact Tests. External Sets against Combined Study Population

Subtype	Discovery Set	Validation Set	Both (Reference)	Individual External Sets						
				GSE7904	GSE18864	GSE18728	GSE19615	GSE21653	GSE26639	GSE2109
1 (LAR)	18	17	35	0	0	0	3	14	9	6
2 (MES)	15	24	39	2	0	2	1	12	6	6
3 (BLIS)	25	33	58	4	0	1	6	18	13	9
4 (BLIA)	26	40	66	11	0	6	5	40	23	23
<i>p</i> -value	-	0.6525	-	0.05006	N/A	0.1660	0.6248	0.1471	0.3827	0.1638

Fisher Exact Tests. Curtis Set vs Combined Study Population

Subtype	Discovery Set	Validation Set	Both (Reference)	Curtis
2 (MES)	15	24	39	39
3 (BLIS)	25	33	58	55
4 (BLIA)	26	40	66	139
<i>p</i> -value	-	0.6525	-	6.77E-04

Fisher Exact Tests. Sabatier Set vs Combined Study Population

Subtype	Discovery Set	Validation Set	Both (Reference)	Sabatier
2 (MES)	15	24	39	12
3 (BLIS)	25	33	58	18
4 (BLIA)	26	40	66	40
<i>p</i> -value	-	0.6525	-	0.1471