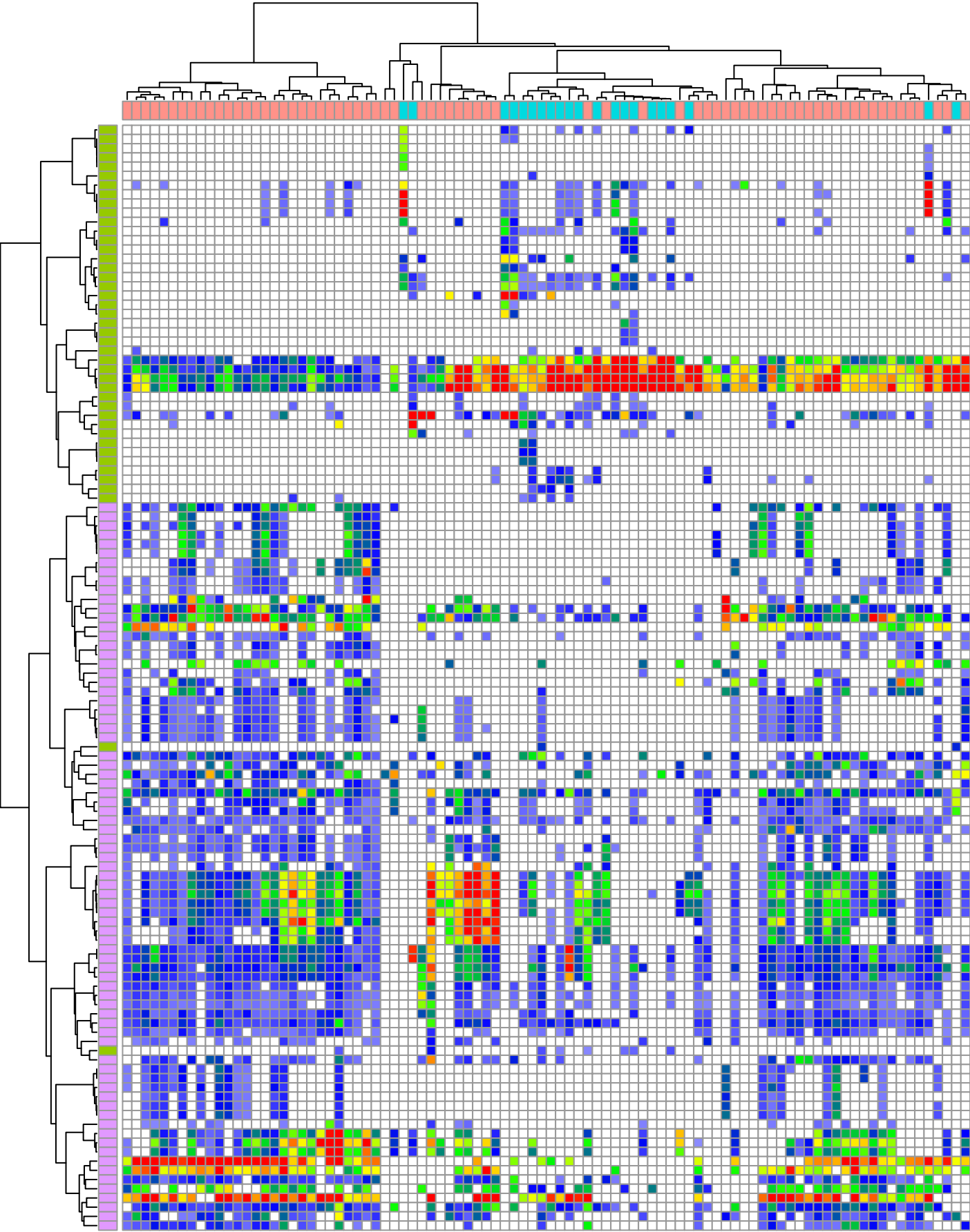


Ward.D2 Clustering with Correlation



class\_discriminative

GroupAttribute

V1.CD10.0	NODE	453	length	17115	cov	2.32239	17115	siderophore	ANTISMASH	0	17115
V1.UC5.0	NODE	2999	length	8272	cov	2.30449	8272	bacteriocin	ANTISMASH	0	8272
V1.CD10.0	NODE	1290	length	5616	cov	2.62838	5616	bacteriocin	ANTISMASH	0	5616
V1.CD10.0	NODE	139	length	45764	cov	2.38955	16622	bacteriocin	ANTISMASH	0	16622
V1.CD10.0	NODE	47	length	96882	cov	2.3724	40183	ladderane	ANTISMASH	0	40183
V1.CD41.0	NODE	100	length	108541	cov	8.66845	100392	otherks-transatpks	ANTISMASH	0	100392
V1.CD41.0	NODE	43	length	139509	cov	97.9643	53525	nrps	ANTISMASH	0	80787
V1.CD61.0	NODE	2273	length	12464	cov	2.76678	12464	t1pks	ANTISMASH	0	12464
V1.CD18.3	NODE	40	length	68683	cov	1.67509	53165	nrps-t1pks	ANTISMASH	0	61574
V1.CD61.0	NODE	228	length	65988	cov	4.67854	26289	nrps	ANTISMASH	0	39699
V1.CD35.1	NODE	3185	length	6846	cov	4.30231	6846	siderophore	ANTISMASH	0	6846
V1.CD61.0	NODE	930	length	26002	cov	3.77986	26002	nrps	ANTISMASH	0	26002
V1.CD21.4	NODE	765	length	22253	cov	4.46495	22253	lantipeptide	ANTISMASH	0	22253
V1.CD35.1	NODE	3453	length	6346	cov	2.92879	6346	lantipeptide	ANTISMASH	0	6346
V1.CD40.0	NODE	481	length	42915	cov	7.06325	42915	nrps	ANTISMASH	0	42915
V1.CD18.3	NODE	543	length	33639	cov	4.77606	26810	other	ANTISMASH	0	26810
V1.CD18.3	NODE	78	length	114577	cov	12.9704	43190	nrps	ANTISMASH	0	49316
V1.CD35.1	NODE	26	length	121253	cov	16.4398	25354	nrps	ANTISMASH	0	25354
V1.CD35.1	NODE	2205	length	9798	cov	43.8637	9798	resorcinol	ANTISMASH	0	9798
V1.CD35.0	NODE	35	length	186011	cov	19.9468	24535	bacteriocin	ANTISMASH	0	161476
V1.CD35.0	NODE	12	length	172857	cov	28.5797	20423	hserlactone	ANTISMASH	0	94352
V1.CD21.0	NODE	1626	length	11571	cov	10.4784	11571	lantipeptide	ANTISMASH	0	11571
V1.CD21.0	NODE	1203	length	16973	cov	2.879	16973	nrps	ANTISMASH	0	16973
V1.CD21.0	NODE	1679	length	11028	cov	2.82293	11028	nrps	ANTISMASH	0	11028
V1.CD15.3	NODE	827	length	38994	cov	4.72174	38994	nrps	ANTISMASH	0	38994
O2.UC40.0	NODE	577	length	31279	cov	4.51163	26382	resorcinol	ANTISMASH	0	4897
V1.UC48.0	NODE	2423	length	14845	cov	8.99087	14945	arylpylene	ANTISMASH	0	14945
O2.UC57.0	NODE	4652	length	6645	cov	3.78483	6645	arylpylene	ANTISMASH	0	6645
V1.CD35.0	NODE	191	length	77163	cov	207.909	48007	arylpylene	ANTISMASH	0	29156
O2.UC37.2	NODE	786	length	35300	cov	5.98561	26046	other	ANTISMASH	0	26046
V1.CD7.4	NODE	2427	length	10544	cov	3.75517	10544	bacteriocin	ANTISMASH	0	10544
V1.UC52.1	NODE	475	length	50230	cov	2.94288	14251	lantipeptide	ANTISMASH	0	14251
V1.CD41.0	NODE	5730	length	6247	cov	2.1111	6247	nrps	ANTISMASH	0	6247
V1.CD7.4	NODE	132	length	76953	cov	16.3885	52413	nrps	ANTISMASH	0	99247
V1.CD25.4	NODE	39	length	169582	cov	10.1708	54510	nrps-t1pks	ANTISMASH	0	62338
V1.CD25.4	NODE	1517	length	22823	cov	6.87966	22823	arylpylene	ANTISMASH	0	44664
V1.CD25.4	NODE	6436	length	5714	cov	5.88426	5714	arylpylene	ANTISMASH	0	99174
V1.CD18.0	NODE	417	length	48226	cov	3.4221	42642	nrps	ANTISMASH	0	22823
V1.CD25.4	NODE	771	length	38707	cov	6.2539	38707	nrps	ANTISMASH	0	5714
V1.CD17.4	NODE	2658	length	314331	cov	3.23293	14931	nrps	ANTISMASH	0	5584
V1.CD25.4	NODE	5477	length	6837	cov	2.69906	6837	arylpylene	ANTISMASH	0	48226
V1.UC24.0	NODE	13	length	166603	cov	10.2427	43260	nrps	ANTISMASH	0	38707
V1.UC28.0	NODE	2	length	233573	cov	4.95209	30557	nrps	ANTISMASH	0	14931
O2.UC4.2	NODE	2825	length	12709	cov	4.34527	12709	nrps	ANTISMASH	0	6837
O2.UC51.0	NODE	108	length	17368	cov	7.02516	24652	nrps	ANTISMASH	0	94591
O2.UC40.2	NODE	238	length	17924	cov	2.74444	23846	nrps	ANTISMASH	0	137851
V1.UC61.0	NODE	459	length	41744	cov	4.85281	24015	nrps	ANTISMASH	0	30557
V1.CD30.0	NODE	6593	length	5371	cov	1.32731	5371	nrps	ANTISMASH	0	12709
V1.UC26.4	NODE	35	length	189049	cov	13.4329	42953	nrps	ANTISMASH	0	24652
V1.UC40.0	NODE	1422	length	20304	cov	4.52593	15088	bacteriocin	ANTISMASH	0	34373
V1.UC52.1	NODE	4925	length	5979	cov	3.29794	9379	bacteriocin	ANTISMASH	0	41744
V1.CD30.0	NODE	4	length	262054	cov	23.2292	42532	other	ANTISMASH	0	5371
O2.UC40.2	NODE	1120	length	21276	cov	8.2432	21276	lantipeptide	ANTISMASH	0	104265
V1.UC40.0	NODE	1950	length	15791	cov	7.39286	15791	nrps	ANTISMASH	0	147218
O2.UC1.2	NODE	2735	length	11824	cov	7.70023	11824	microcin	ANTISMASH	0	20304
V1.UC58.0	NODE	7831	length	5607	cov	2.75648	5607	arylpylene	ANTISMASH	0	5371
V1.UC40.0	NODE	108	length	71340	cov	3.29287	43402	other	ANTISMASH	0	5607
V1.UC58.0	NODE	5538	length	6976	cov	1.15865	6976	other	ANTISMASH	0	43402
O2.UC48.2	NODE	1990	length	14237	cov	2.29502	14237	microcin	ANTISMASH	0	9379
V1.UC55.4	NODE	4	length	453528	cov	8.44019	22700	lantipeptide	ANTISMASH	0	6837
O2.UC44.0	NODE	659	length	29813	cov	4.62662	24979	bacteriocin	ANTISMASH	0	94591
V1.UC45.0	NODE	970	length	21406	cov	2.56283	21406	lantipeptide	ANTISMASH	0	137851
O2.UC30.0	NODE	1245	length	17671	cov	2.03646	17671	other	ANTISMASH	0	6837
V1.UC29.0	NODE	2159	length	10983	cov	2.64165	10983	other	ANTISMASH	0	14237
V1.UC5.3	NODE	695	length	47782	cov	4.43657	22861	other	ANTISMASH	0	21406
O2.UC59.0	NODE	285	length	50933	cov	3.38117	24258	other	ANTISMASH	0	17671
V1.UC10.2	NODE	1689	length	17780	cov	3.95876	17780	other	ANTISMASH	0	10983
V1.CD6.4	NODE	97	length	81392	cov	6.54071	10957	bacteriocin	ANTISMASH	0	24258
V1.UC2.0	NODE	1273	length	14434	cov	2.52611	14434	lantipeptide	ANTISMASH	0	26675
O2.UC23.0	NODE	373	length	53602	cov	5.17215	42532	other	ANTISMASH	0	50933
O2.UC27.0	NODE	1358	length	18223	cov	13.1286	18223	t2pks	ANTISMASH	0	17780
V1.UC29.0	NODE	3334	length	7067	cov	1.16415	7067	lantipeptide	ANTISMASH	0	51098
V1.CD42.0	NODE	2860	length	11958	cov	6.16424	11958	lantipeptide	ANTISMASH	0	62055
O2.UC4.2	NODE	4234	length	9225	cov	3.07223	9225	bacteriocin	ANTISMASH	0	14434
V1.UC58.2	NODE	3772	length	7714	cov	2.10772	7714	lassopeptide	ANTISMASH	0	8083
O2.UC2.0	NODE	8072	length	7538	cov	2.02544	7538	arylpylene	ANTISMASH	0	50615
V1.UC52.0	NODE	4707	length	8186	cov	5.00332	8186	terpene	ANTISMASH	0	18223
O2.UC41.0	NODE	722	length	29497	cov	2.19999	29497	other	ANTISMASH	0	7067
O2.UC27.0	NODE	272	length	64235	cov	5.29347	34842	other	ANTISMASH	0	11958
O2.UC27.2	NODE	377	length	47497	cov	2.18766	25369	other	ANTISMASH	0	9225
V1.UC38.0	NODE	372	length	256856	cov	31.9501	10125	bacteriocin	ANTISMASH	0	7714
O2.UC39.0	NODE	2938	length	24352	cov	1.4352	10198	nrps	ANTISMASH	0	8186
V1.UC35.0	NODE	3761	length	8328	cov	3.02937	8328	nrps	ANTISMASH	0	29497
V1.UC27.0	NODE	1524	length	16793	cov	1.92448	16793	nrps	ANTISMASH	0	64235
O2.UC58.2	NODE	543	length	31008	cov	3.90172	15316	terpene	ANTISMASH	0	25369
V1.UC1.0	NODE	143	length	67550	cov	5.59133	45408	nrps	ANTISMASH	0	256856
O2.UC59.0	NODE	2715	length	10905	cov	1.50295	10905	bacteriocin	ANTISMASH	0	24352
O2.UC37.0	NODE	1047	length	20443	cov	3.24088	15779	bacteriocin	ANTISMASH	0	8328
O2.UC44.2	NODE	1454	length	17419	cov	4.14449	16963	bacteriocin	ANTISMASH	0	10198
V1.CD19.0	NODE	4975	length	8961	cov	11.3461	8961	lantipeptide	ANTISMASH	0	31008
V1.UC33.0	NODE	4808	length	8485	cov	7.31767	8485	lantipeptide	ANTISMASH	0	45408
V1.CD24.0	NODE	2684	length	11411	cov	1.71486	11411	lantipeptide	ANTISMASH	0	10905
V1.UC21.0	NODE	3288	length	9230	cov	2.07673	9230	lantipeptide	ANTISMASH	0	4664
V1.UC55.4	NODE	1536	length	32221	cov	5.91283	32221	nrps	ANTISMASH	0	17419
V1.UC31.4	NODE	3457	length	9939	cov	9.78936	9939	nrps	ANTISMASH	0	8961
V1.UC32.0	NODE	504	length	53181	cov	4.4757	12856	lantipeptide	ANTISMASH	0	8485
V1.UC35.0	NODE	3750	length	8343	cov	4.01617	8343	nrps	ANTISMASH	0	11411
V1.UC13.3	NODE	87	length	352946	cov	11.3323	43253	nrps	ANTISMASH	0	9230
V1.UC28.4	NODE	500	length	57939	cov	3.42504	23420	nrps	ANTISMASH	0	9939
V1.CD28.0	NODE	333	length	44098	cov	6.24944	37490	arylpylene	ANTISMASH	0	8343
V1.CD27.0	NODE	4871	length	6213	cov	1.81796	6213	bacteriocin	ANTISMASH	0	24258
V1.UC24.0	NODE	681	length	25720	cov	4.37886	25720	sactipeptide	ANTISMASH	0	21406
O2.UC2.0	NODE	2008	length	10579	cov	1.95144	10579	other	ANTISMASH	0	8485
O2.UC29.0	NODE	2213	length	9695	cov	1.42842	9695	other	ANTISMASH	0	8961
V1.UC30.0	NODE	1749	length	1584	cov	2.29975	11584	microcin	ANTISMASH	0	8485
O2.UC2.0	NODE	1230	length	14811	cov	1.83159	14811	nrps	ANTISMASH	0	11411
O2.UC3.0	NODE	245	length	55949	cov	3.1289	41008	nrps	ANTISMASH	0	9230
O2.UC4.2	NODE	6683	length	6170	cov	1.37449	6170	other	ANTISMASH	0	8328
V1.CD31.0	NODE	324	length	45336	cov	5.271	35893	other	ANTISMASH	0	8328
V1.CD30.0	NODE	2651	length	10126	cov	1.26442	8030	bacteriocin	ANTISMASH	0	8328
O2.UC5.2	NODE	137	length	100686	cov	2.20268	18231	bacteriocin	ANTISMASH	0	8328
V1.UC62.0	NODE	31	length	180576	cov	19.4374	6633	nrps-ladderane	ANTISMASH	0	8328
O2.UC44.2	NODE	2186	length	12877	cov	12.4771	10481	microcin	ANTISMASH	0	8328
V1.UC53.4	NODE	1077	length	19809	cov	14.4938	19809	microcin	ANTISMASH	0	8328
O2.UC60.0	NODE	448	length	27925	cov	2.72723	6119	bacteriocin	ANTISMASH	0	8328