

Move Class															
Coefficient	Antlr			Aoi			Aspectj			Axion			Azureus		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	40.63	60.00	78.75	45.35	58.95	67.54	38.14	53.67	63.32	51.08	61.29	74.19	23.46	31.77	38.30
Dot-product	53.75	76.25	86.25	62.77	74.46	82.10	55.70	71.84	80.27	68.82	76.34	89.78	35.69	46.91	54.81
Hamann	21.88	43.13	51.88	24.11	45.82	52.98	12.92	22.34	27.26	43.55	53.23	58.60	16.21	20.78	23.69
Jaccard	61.88	76.88	86.88	65.16	77.09	84.01	57.50	73.64	81.40	72.58	77.42	91.94	37.77	49.82	57.36
Kulczynski	55.00	76.88	85.63	62.77	71.84	81.62	55.84	69.76	78.56	66.13	74.73	87.63	34.38	46.02	52.97
Ochiai	53.75	76.88	86.25	63.25	73.03	82.10	56.41	71.89	80.74	67.20	76.88	86.56	38.18	48.93	56.47
Phi	56.88	77.50	86.88	63.25	72.79	82.82	56.70	71.79	80.45	66.13	75.81	87.10	38.30	48.99	56.71
PSC	68.75	81.25	88.13	68.26	81.62	89.50	62.85	78.04	84.81	75.81	86.02	93.01	43.11	55.46	62.65
Relative Matching	21.25	51.88	73.13	50.84	66.83	74.46	41.17	57.79	68.91	66.67	76.34	83.33	25.18	33.43	41.15
Rogers and Tanimoto	21.88	43.75	51.88	25.78	46.30	52.98	13.11	22.48	27.59	43.55	53.23	58.60	16.27	20.90	23.75
Russell and Rao	32.50	65.00	78.75	57.52	72.32	81.38	47.80	65.40	76.90	72.04	80.65	89.25	29.69	39.73	47.39
Simple matching	21.88	43.13	51.88	24.11	45.82	52.74	12.92	22.29	27.31	43.55	53.23	58.60	16.21	20.84	23.75
Sokal and Sneath	21.88	43.13	51.25	23.63	45.82	52.27	12.87	22.10	26.98	43.55	52.69	58.60	15.97	20.55	23.46
Sokal and Sneath 2	64.38	77.50	87.50	66.11	78.52	85.92	59.96	75.01	82.39	73.12	80.11	93.01	39.96	51.19	58.79
Sokal and Sneath 4	57.50	78.13	86.25	63.25	71.84	82.34	55.84	69.90	78.61	65.05	75.81	87.10	34.38	46.32	53.21
Sokal binary distance	30.00	47.50	57.50	32.46	47.26	51.79	16.71	25.93	30.48	43.01	55.91	60.75	19.83	25.59	28.15
Sorenson	53.75	76.25	86.25	62.77	74.46	82.10	55.70	71.84	80.27	68.82	76.34	89.78	35.69	46.91	54.81
Yule	26.88	43.13	68.75	36.52	44.87	56.32	17.94	33.36	43.11	44.09	48.92	65.05	18.17	25.95	31.12
PTMC	68.84	79.56	90.47	71.36	83.37	89.92	65.08	75.10	83.37	79.80	86.05	98.16	45.84	53.81	63.19

Move Method															
Coefficient	Antlr			Aoi			Aspectj			Axion			Azureus		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	22.78	28.65	34.70	8.76	14.76	18.82	16.70	21.96	27.49	25.64	34.19	37.26	6.83	9.65	12.05
Dot-product	37.54	48.04	57.47	22.02	31.88	39.99	34.88	44.25	52.39	40.68	51.97	55.90	15.67	23.14	28.49
Hamann	25.62	32.56	38.61	7.76	13.01	16.57	19.96	26.73	31.93	31.79	41.71	46.32	7.46	10.69	12.73
Jaccard	39.15	51.96	59.96	25.58	36.74	44.24	37.99	48.26	55.37	45.30	55.21	59.66	19.08	27.97	33.43
Kulczynski	30.25	40.04	49.47	14.46	25.58	33.23	25.33	34.91	43.95	29.57	41.88	51.45	8.86	14.19	18.56
Ochiai	35.23	46.26	55.16	19.92	30.28	38.49	32.08	41.70	49.92	38.46	49.57	55.38	13.07	19.27	24.76
Phi	35.23	46.44	54.98	19.82	30.18	38.39	32.05	41.63	49.87	38.29	49.57	55.21	12.99	19.21	24.71
PSC	41.28	55.16	64.41	26.23	38.64	47.15	38.37	49.64	57.09	45.64	55.38	60.17	19.56	29.08	34.98
Relative Matching	24.56	34.88	42.17	12.46	21.02	27.63	27.13	35.94	42.76	35.04	41.03	45.64	10.94	17.27	21.38
Rogers and Tanimoto	27.05	33.99	39.50	7.91	13.26	16.77	20.05	26.86	32.16	31.62	41.54	46.50	7.64	10.91	12.86
Russell and Rao	30.96	44.66	51.25	20.52	31.48	37.54	33.83	44.39	52.28	41.37	50.77	54.53	18.79	27.57	32.86
Simple matching	25.80	32.56	38.43	7.66	12.96	16.62	19.99	26.84	31.97	31.79	41.71	46.32	7.58	10.84	12.76
Sokal and Sneath	25.44	32.03	38.08	7.46	12.46	16.02	19.53	26.22	31.49	31.28	41.03	44.79	7.24	10.30	12.21
Sokal and Sneath 2	42.88	55.52	63.35	28.03	39.29	47.15	40.41	50.92	57.84	50.43	57.44	61.71	22.69	32.03	37.37
Sokal and Sneath 4	30.25	39.68	49.47	14.46	25.58	33.23	25.26	34.89	43.97	29.57	41.88	51.45	8.76	14.10	18.48
Sokal binary distance	28.47	38.26	43.59	9.76	16.72	20.72	23.21	30.20	35.49	36.41	44.44	50.09	9.52	13.00	15.24
Sorenson	37.54	48.04	57.47	22.02	31.88	39.99	34.88	44.25	52.39	40.68	51.97	55.90	15.67	23.14	28.49
Yule	12.99	19.75	27.22	6.06	10.31	13.71	6.18	11.53	17.13	7.69	14.53	21.03	3.13	5.74	8.37
PTMM	55.20	67.24	69.16	39.40	46.99	52.12	50.82	57.60	63.60	66.11	71.73	75.52	41.86	52.25	55.80

Exact Method															
Coefficient	Antlr			Aoi			Aspectj			Axion			Azureus		
	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits
Baroni-Urbani and Buser	61.72			63.80			56.80			58.50			61.94		
Dot-product	70.63			73.67			68.75			71.87			66.14		
Hamann	9.08			5.57			10.38			11.70			6.53		
Jaccard	71.95			76.05			71.73			77.16			69.16		
Kulczynski	74.59			79.89			77.85			80.22			76.32		
Ochiai	72.77			76.71			72.43			74.09			70.30		
Phi	71.12			76.47			72.30			73.26			70.25		
PSC	73.93			78.77			75.00			79.67			74.24		
Relative Matching	82.51			86.72			83.95			83.01			78.42		
Rogers and Tanimoto	9.41			5.94			10.50			12.26			6.57		
Russell and Rao	85.64			91.44			87.66			89.42			84.32		
Simple matching	9.08			5.71			10.38			11.70			6.52		
Sokal and Sneath	9.08			5.47			10.32			11.70			6.50		
Sokal and Sneath 2	72.94			79.51			74.61			80.22			72.69		
Sokal and Sneath 4	72.94			79.37			77.47			79.11			76.17		
Sokal binary distance	15.18			9.87			16.49			25.35			13.50		
Sorenson	70.63			73.67			68.75			71.87			66.14		
Yule	62.21			66.42			63.78			61.56			65.23		
PTM	86.17			91.60			88.22			90.19			84.59		

Move Class															
Coefficient	Batik			C_JDBC			Castor			Cayenne			CheckStyle		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	25.29	37.21	47.71	43.94	57.29	61.19	46.25	58.76	66.35	28.32	39.82	46.20	25.45	31.25	38.39
Dot-product	47.04	64.60	73.09	54.21	66.32	71.66	57.64	70.75	76.27	47.98	58.20	65.29	33.04	42.41	49.11
Hamann	16.03	20.61	22.52	42.92	52.57	57.08	38.91	46.33	50.56	7.24	9.65	13.56	26.34	31.70	33.48
Jaccard	51.53	66.98	75.00	56.06	70.02	75.56	60.14	72.65	77.39	50.32	61.11	67.07	37.05	44.20	48.66
Kulczynski	43.80	62.02	71.28	51.54	64.27	69.40	56.86	69.89	76.10	46.42	58.91	66.08	33.48	43.30	48.66
Ochiai	45.99	64.69	72.90	53.18	65.09	71.05	57.46	71.35	76.70	48.26	58.84	65.93	32.14	42.86	50.45
Phi	45.99	64.89	72.90	53.59	65.50	71.05	57.55	71.10	76.45	48.05	58.77	65.72	31.25	42.41	49.11
PSC	56.87	74.24	80.34	56.88	70.84	78.44	62.90	75.06	80.50	54.65	66.29	72.39	40.63	48.21	52.23
Relative Matching	34.35	50.57	59.45	45.79	57.29	63.04	47.71	63.16	70.06	43.08	55.29	61.32	25.89	34.82	40.63
Rogers and Tanimoto	16.41	20.61	22.61	42.92	53.18	57.29	39.60	46.42	51.16	7.24	9.65	13.70	25.89	31.70	33.48
Russell and Rao	44.75	61.55	69.66	49.08	60.16	66.74	53.49	69.46	76.79	50.82	62.10	68.20	32.59	41.96	50.00
Simple matching	16.03	20.52	22.42	43.12	53.18	57.29	38.83	46.33	50.65	7.24	9.65	13.56	25.89	31.70	33.48
Sokal and Sneath	16.03	20.52	22.33	42.92	52.57	56.67	38.48	45.04	50.13	7.10	9.58	13.56	26.34	31.70	33.48
Sokal and Sneath 2	53.91	68.99	75.38	58.73	70.84	76.59	61.26	73.94	78.43	51.10	62.46	67.64	38.84	45.54	50.00
Sokal and Sneath 4	44.08	62.21	70.99	51.95	64.48	69.40	57.03	69.89	76.10	46.13	58.77	66.08	31.70	41.96	48.66
Sokal binary distance	17.37	21.95	24.43	45.59	57.49	60.99	41.24	49.87	56.51	9.51	11.92	16.75	26.34	30.80	33.48
Sorenson	47.04	64.60	73.09	54.21	66.32	71.66	57.64	70.75	76.27	47.98	58.20	65.29	33.04	42.41	49.11
Yule	15.74	24.62	33.78	41.68	53.18	56.88	37.10	50.30	58.41	18.95	26.33	36.83	14.73	19.64	26.79
PTMC	59.52	72.31	82.50	63.87	71.21	78.55	67.23	76.42	82.78	55.73	64.99	73.70	41.59	50.39	59.18

Move Method															
Coefficient	Batik			C_JDBC			Castor			Cayenne			CheckStyle		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	12.96	18.30	22.46	21.30	28.63	31.15	31.16	40.21	45.96	12.87	18.63	22.15	12.74	18.43	21.68
Dot-product	26.18	35.71	42.16	31.07	41.45	48.78	44.09	54.67	60.60	23.14	32.62	39.34	17.07	27.37	34.15
Hamann	16.31	21.32	24.89	27.48	32.98	37.94	34.13	43.94	48.16	12.00	17.54	22.12	7.59	12.20	18.43
Jaccard	29.60	40.06	46.58	36.41	45.80	52.82	47.53	59.21	64.15	26.09	36.40	43.09	19.78	30.89	40.11
Kulczynski	20.84	28.50	35.24	28.40	35.27	39.62	37.48	50.12	56.20	15.43	25.10	31.56	11.38	22.22	31.71
Ochiai	23.97	32.25	39.76	31.07	38.47	44.43	42.89	53.61	59.74	20.04	30.35	36.91	14.09	27.10	32.25
Phi	23.97	32.29	39.69	30.99	38.55	44.12	42.75	53.57	59.69	20.01	30.35	36.88	13.59	27.10	32.25
PSC	30.63	42.42	49.63	38.78	48.40	55.80	48.88	60.56	65.34	26.06	36.62	45.33	20.60	31.71	40.38
Relative Matching	20.80	27.54	31.70	28.17	34.96	39.77	37.67	47.06	51.75	18.63	25.51	30.51	16.26	21.95	26.56
Rogers and Tanimoto	16.49	21.87	25.37	27.86	33.51	38.47	34.42	44.57	48.73	12.07	17.57	22.06	7.86	12.74	17.62
Russell and Rao	26.77	36.08	41.38	33.44	42.98	49.08	42.51	52.56	59.02	24.52	33.74	39.79	27.37	34.69	40.11
Simple matching	16.35	21.47	25.07	27.56	33.05	37.86	34.32	43.85	48.16	11.88	17.41	21.96	7.86	13.01	18.97
Sokal and Sneath	16.16	20.58	24.04	26.87	32.29	37.18	33.70	42.84	47.15	11.43	16.81	21.06	7.05	11.11	15.99
Sokal and Sneath 2	33.69	45.66	51.36	40.84	49.31	55.42	50.89	61.70	66.20	29.80	39.63	47.50	24.66	34.15	42.55
Sokal and Sneath 4	20.73	28.42	35.31	28.40	35.27	39.62	37.63	50.02	56.06	15.40	25.06	31.47	10.84	21.41	30.89
Sokal binary distance	20.51	26.51	30.45	31.60	37.10	40.84	37.87	47.06	51.70	14.85	20.65	25.67	13.28	20.33	26.29
Sorenson	26.18	35.71	42.16	31.07	41.45	48.78	44.09	54.67	60.60	23.14	32.62	39.34	17.07	27.37	34.15
Yule	4.86	9.20	13.73	13.74	17.71	19.39	15.22	27.76	35.18	6.79	12.45	15.88	9.76	15.18	18.97
PTMM	52.71	60.92	62.80	55.91	65.22	68.63	59.57	67.98	72.89	40.31	50.49	53.20	48.26	55.92	59.67

Extact Method						
Coefficient	Batik	C_JDBC	Castor	Cayenne	CheckStyle	
	Hits	Hits	Hits	Hits	Hits	
Baroni-Urbani and Buser	67.87	58.02	62.22	70.16	58.80	
Dot-product	73.95	73.22	68.59	75.29	54.23	
Hamann	16.39	24.39	13.66	6.85	5.99	
Jaccard	75.12	77.68	71.28	76.66	54.23	
Kulczynski	82.47	75.86	75.11	80.92	62.32	
Ochiai	77.57	73.82	71.36	77.84	57.75	
Phi	77.06	73.77	70.71	77.79	57.75	
PSC	79.91	78.74	74.13	77.30	58.45	
Relative Matching	82.99	82.86	81.34	86.06	77.46	
Rogers and Tanimoto	16.39	24.39	14.19	6.80	5.99	
Russell and Rao	87.19	85.49	86.84	90.41	81.34	
Simple matching	16.39	24.29	13.85	6.85	5.28	
Sokal and Sneath	16.36	24.19	13.58	6.85	4.58	
Sokal and Sneath 2	78.16	80.77	73.71	76.61	56.34	
Sokal and Sneath 4	82.29	75.36	74.58	80.77	61.62	
Sokal binary distance	23.71	30.30	20.07	12.72	7.75	
Sorenson	73.95	73.22	68.59	75.29	54.23	
Yule	69.23	50.12	65.90	72.06	62.32	
PTM	87.31	85.81	87.17	90.53	81.87	

Move Class															
Coefficient	Cobertura			Colt			Columba			Compiere			Derby		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	30.77	40.00	44.62	46.91	60.31	77.84	44.70	56.78	63.36	18.24	22.29	26.00	24.10	31.88	38.22
Dot-product	36.92	43.08	52.31	62.37	77.32	84.02	53.29	66.04	72.21	63.17	68.56	71.48	45.46	59.80	67.89
Hamann	9.23	13.85	30.77	32.99	46.39	51.55	28.59	37.58	44.56	42.51	53.63	55.91	8.70	11.90	12.97
Jaccard	33.85	41.54	56.92	65.98	78.35	86.60	54.36	67.52	73.29	64.41	69.55	73.06	48.21	62.40	70.02
Kulczynski	40.00	46.15	55.38	59.28	78.87	84.02	55.03	66.71	73.15	63.62	69.06	72.66	39.36	55.15	65.45
Ochiai	36.92	44.62	55.38	63.40	77.84	84.54	54.36	66.31	72.21	63.72	68.96	72.37	45.61	60.41	68.80
Phi	41.54	46.15	55.38	63.92	78.35	83.51	54.50	66.44	72.35	63.72	69.11	72.47	45.61	60.03	68.80
PSC	40.00	47.69	58.46	73.20	79.90	87.63	57.18	70.20	75.44	66.53	72.17	77.31	53.47	68.50	75.21
Relative Matching	32.31	44.62	50.77	51.55	73.20	81.44	42.01	52.21	61.61	54.28	60.36	65.55	37.99	50.34	59.50
Rogers and Tanimoto	9.23	15.38	32.31	32.99	46.39	52.06	28.59	37.85	44.56	42.71	53.68	55.96	8.70	11.98	13.12
Russell and Rao	44.62	50.77	63.08	59.28	80.41	84.54	46.44	55.84	66.58	58.08	64.90	68.91	46.83	59.73	68.80
Simple matching	9.23	13.85	30.77	32.99	46.39	52.06	28.59	37.72	44.56	42.56	53.58	55.91	8.62	11.98	13.04
Sokal and Sneath	9.23	13.85	30.77	31.96	45.36	51.55	27.92	37.32	43.89	42.41	53.53	55.86	8.47	11.67	12.59
Sokal and Sneath 2	33.85	40.00	53.85	68.56	79.90	86.08	56.11	67.79	73.42	64.66	70.14	73.75	51.11	64.68	71.32
Sokal and Sneath 4	40.00	46.15	55.38	62.37	77.84	85.05	55.70	66.58	72.75	63.57	69.11	72.61	39.66	55.00	65.45
Sokal binary distance	10.77	18.46	33.85	33.51	46.91	52.58	34.23	42.55	46.98	50.91	55.76	57.93	10.22	13.27	14.95
Sorenson	36.92	43.08	52.31	62.37	77.32	84.02	53.29	66.04	72.21	63.17	68.56	71.48	45.46	59.80	67.89
Yule	13.85	32.31	44.62	35.57	47.94	65.98	36.24	48.32	56.78	10.78	12.70	14.38	10.83	16.32	18.84
PTMC	47.15	44.74	56.42	78.35	81.82	90.58	61.88	68.37	79.11	71.12	70.46	77.68	62.01	69.48	75.03

Move Method															
Coefficient	Cobertura			Colt			Columba			Compiere			Derby		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	55.08	73.44	77.73	46.91	60.31	77.84	13.09	19.72	25.06	11.60	15.28	17.80	11.59	17.30	21.08
Dot-product	64.84	82.03	87.11	62.37	77.32	84.02	26.27	38.16	44.79	22.85	28.95	32.69	25.60	37.63	42.94
Hamann	56.25	76.17	78.52	32.99	46.39	51.55	13.35	19.55	22.74	11.17	14.44	16.63	15.78	25.15	29.68
Jaccard	67.58	84.38	88.28	65.98	78.35	86.60	29.89	42.81	48.15	25.20	31.27	35.05	29.25	41.91	47.43
Kulczynski	60.55	80.86	84.77	59.28	78.87	84.02	18.09	28.77	36.61	16.24	21.58	25.36	15.06	26.73	33.86
Ochiai	63.67	82.81	85.94	63.40	77.84	84.54	24.89	34.54	43.41	21.13	27.13	30.88	23.75	34.85	40.97
Phi	64.06	82.42	85.55	63.92	78.35	83.51	24.98	34.19	43.07	21.13	27.08	30.82	23.73	34.89	40.96
PSC	67.97	86.72	89.45	73.20	79.90	87.63	32.30	43.93	49.87	25.75	32.26	36.55	29.31	42.53	48.56
Relative Matching	58.59	76.56	80.47	51.55	73.20	81.44	21.10	31.18	37.30	19.47	24.89	27.91	18.80	28.52	34.44
Rogers and Tanimoto	56.25	75.78	78.52	32.99	46.39	52.06	13.87	20.33	23.43	11.33	14.68	16.74	15.89	25.28	29.89
Russell and Rao	66.41	80.08	84.77	59.28	80.41	84.54	30.58	42.12	48.92	24.72	31.23	34.56	25.20	36.46	42.53
Simple matching	56.25	76.17	78.52	32.99	46.39	52.06	13.61	19.98	22.74	11.03	14.39	16.45	15.72	25.19	29.80
Sokal and Sneath	54.69	75.00	77.34	31.96	45.36	51.55	12.75	18.78	21.79	10.53	13.70	15.69	15.38	24.62	29.22
Sokal and Sneath 2	68.75	85.16	89.45	68.56	79.90	86.08	35.83	45.91	51.59	27.29	33.59	37.68	33.31	45.02	50.45
Sokal and Sneath 4	60.55	81.25	84.38	62.37	77.84	85.05	18.00	28.51	36.18	16.18	21.54	25.42	15.06	26.64	33.74
Sokal binary distance	58.20	79.69	81.64	33.51	46.91	52.58	17.31	23.08	27.05	13.57	17.25	19.36	19.35	29.04	33.83
Sorenson	64.84	82.03	87.11	62.37	77.32	84.02	26.27	38.16	44.79	22.85	28.95	32.69	25.60	37.63	42.94
Yule	36.33	61.33	69.53	35.57	47.94	65.98	7.41	12.32	17.31	5.75	9.92	12.40	3.53	6.96	9.22
PTMM	81.55	86.28	88.43	76.92	87.29	88.77	44.29	53.62	57.50	46.86	50.00	53.36	52.68	60.34	63.17

Exact Method						
Coefficient	Cobertura	Colt	Columba	Compiere	Derby	
	Hits	Hits	Hits	Hits	Hits	
Baroni-Urbani and Buser	70.35	51.90	63.59	70.75	73.98	
Dot-product	74.37	53.89	64.47	79.00	83.42	
Hamann	25.63	21.56	6.50	9.93	12.17	
Jaccard	76.38	58.48	66.41	79.70	85.45	
Kulczynski	78.89	64.07	69.51	85.09	90.23	
Ochiai	76.38	58.68	68.06	82.13	86.59	
Phi	76.38	58.68	67.67	82.00	86.48	
PSC	79.40	60.48	68.64	81.42	88.20	
Relative Matching	82.41	73.05	80.68	91.59	92.29	
Rogers and Tanimoto	25.63	21.76	6.70	9.80	12.17	
Russell and Rao	90.45	80.04	85.24	93.42	95.48	
Simple matching	25.63	21.56	6.70	9.89	12.13	
Sokal and Sneath	25.63	21.16	6.21	9.91	12.07	
Sokal and Sneath 2	78.39	60.88	68.45	80.08	87.11	
Sokal and Sneath 4	78.89	63.67	67.96	84.94	90.08	
Sokal binary distance	35.68	29.74	11.17	14.55	19.05	
Sorenson	74.37	53.89	64.47	79.00	83.42	
Yule	74.37	57.88	69.13	74.24	76.37	
PTM	90.50	80.81	85.60	93.53	95.65	

Move Class															
Coefficient	DisplayTag			DrawSWF			DrJava			Eclipse_SDK			Emma		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	38.94	56.64	70.80	46.67	67.22	72.78	36.31	48.73	57.32	25.52	40.00	51.03	41.67	56.48	62.04
Dot-product	61.95	76.99	82.30	63.33	77.78	80.00	50.00	65.29	73.57	6.90	12.41	15.86	53.70	64.81	67.59
Hamann	36.28	46.02	52.21	37.22	48.89	53.89	19.11	24.20	27.07	14.48	22.76	29.66	25.00	33.33	41.67
Jaccard	62.83	76.99	82.30	62.78	77.78	80.00	50.96	69.11	76.43	6.90	13.10	15.86	57.41	66.67	71.30
Kulczynski	57.52	74.34	84.07	62.22	80.00	83.89	50.32	65.61	75.80	25.52	35.86	48.97	44.44	58.33	62.96
Ochiai	58.41	79.65	83.19	62.78	78.89	82.22	50.00	66.56	75.16	6.90	13.10	15.86	50.00	62.04	67.59
Phi	59.29	79.65	83.19	62.78	77.22	81.67	50.32	67.20	75.48	6.90	12.41	15.86	52.78	64.81	70.37
PSC	64.60	78.76	85.84	63.89	80.56	85.00	61.78	75.48	83.76	14.48	37.93	48.28	56.48	68.52	72.22
Relative Matching	30.97	50.44	66.37	51.11	76.11	78.89	46.50	58.28	64.65	17.93	26.90	35.86	25.93	45.37	50.00
Rogers and Tanimoto	36.28	46.90	52.21	37.22	48.33	53.89	19.11	24.20	27.07	8.28	13.79	17.93	25.00	33.33	42.59
Russell and Rao	48.67	65.49	73.45	55.00	77.78	80.00	49.68	62.42	69.11	24.83	38.62	51.03	25.93	50.00	55.56
Simple matching	35.40	46.02	52.21	37.22	48.33	53.89	18.79	24.20	27.07	27.59	36.55	51.03	25.00	33.33	41.67
Sokal and Sneath	34.51	44.25	52.21	36.67	48.89	53.89	18.79	23.57	27.07	31.03	43.45	54.48	24.07	33.33	41.67
Sokal and Sneath 2	64.60	77.88	83.19	67.22	77.78	81.11	52.55	70.06	77.71	25.52	35.86	48.97	57.41	67.59	72.22
Sokal and Sneath 4	60.18	76.99	83.19	62.78	79.44	83.89	49.36	65.29	75.48	24.83	37.24	51.72	49.07	62.04	65.74
Sokal binary distance	39.82	46.90	53.98	39.44	48.89	53.89	20.38	25.80	29.30	26.90	41.38	51.72	26.85	39.81	44.44
Sorenson	61.95	76.99	82.30	63.33	77.78	80.00	50.00	65.29	73.57	26.21	38.62	47.59	53.70	64.81	67.59
Yule	30.97	42.48	56.64	30.56	53.89	63.89	28.98	44.59	51.27	10.34	26.90	40.69	21.30	35.19	44.44
PTMC	63.16	77.16	88.49	69.91	78.58	86.61	62.21	70.54	80.50	36.32	48.89	57.64	57.81	68.59	78.23

Move Method															
Coefficient	DisplayTag			DrawSWF			DrJava			Eclipse_SDK			Emma		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	26.60	45.32	51.23	25.71	34.89	40.57	11.71	18.20	23.88	36.74	41.81	44.42	17.09	22.22	29.06
Dot-product	45.32	65.02	71.43	41.74	54.26	60.43	26.26	36.87	46.09	45.75	51.98	55.89	32.48	45.73	56.41
Hamann	22.66	34.98	39.41	23.71	32.55	41.24	12.81	19.48	22.55	34.82	38.95	40.46	25.21	34.19	35.90
Jaccard	50.25	67.00	72.91	43.57	55.59	62.27	31.94	41.86	49.51	47.93	53.64	57.55	39.74	52.99	62.82
Kulczynski	43.35	61.08	71.43	31.05	48.25	55.59	17.97	30.09	39.07	44.17	49.86	54.54	29.06	45.30	54.70
Ochiai	45.81	63.05	72.41	39.57	53.92	58.76	23.30	33.04	41.91	45.92	52.02	56.11	32.91	47.44	58.12
Phi	44.83	62.56	71.92	39.57	53.92	58.76	23.25	32.93	41.86	45.92	52.00	56.13	32.05	47.86	58.12
PSC	52.22	72.41	78.33	44.91	59.43	68.28	32.35	44.23	52.29	48.68	55.23	59.45	44.44	65.81	70.94
Relative Matching	38.92	54.68	62.56	33.72	44.74	51.25	20.29	30.32	36.52	42.49	46.82	49.18	27.35	36.32	44.02
Rogers and Tanimoto	22.66	35.47	39.41	23.71	32.72	41.57	12.99	19.83	22.84	34.95	39.17	40.63	25.21	33.76	35.47
Russell and Rao	49.75	63.05	67.98	40.90	53.76	60.27	33.51	45.97	54.09	47.17	52.22	54.86	37.18	49.57	59.40
Simple matching	22.17	35.47	39.90	23.87	32.55	41.40	12.93	19.65	22.67	34.84	39.04	40.59	25.21	34.62	35.90
Sokal and Sneath	22.17	34.98	38.92	23.54	31.89	39.90	12.23	18.84	22.09	34.60	38.60	40.07	24.36	33.33	35.04
Sokal and Sneath 2	52.71	67.98	75.86	46.91	58.26	66.94	34.78	46.20	52.81	49.81	55.45	58.62	43.16	59.40	68.80
Sokal and Sneath 4	42.86	60.59	70.94	31.05	48.08	55.43	17.91	30.03	39.01	44.15	49.86	54.47	29.06	45.30	54.27
Sokal binary distance	27.59	40.39	44.83	29.55	39.90	46.58	16.00	21.86	25.80	36.85	41.49	42.86	28.21	36.75	41.03
Sorenson	45.32	65.02	71.43	41.74	54.26	60.43	26.26	36.87	46.09	45.75	51.98	55.89	32.48	45.73	56.41
Yule	27.09	32.02	48.28	6.18	19.53	27.55	8.64	14.90	21.45	12.70	15.21	17.86	17.52	20.09	23.93
PTMM	60.48	69.61	76.41	60.32	67.79	72.17	56.55	68.74	71.28	60.62	62.53	63.35	52.91	66.50	73.99

Extact Method						
Coefficient	DisplayTag	DrawSWF	DrJava	Eclipse_SDK	Emma	
	Hits	Hits	Hits	Hits	Hits	
Baroni-Urbani and Buser	58.52	64.56	61.89	62.73	50.69	
Dot-product	72.96	63.51	63.96	68.30	72.02	
Hamann	9.26	21.05	9.26	6.86	12.84	
Jaccard	78.15	68.07	67.83	70.78	78.67	
Kulczynski	82.96	74.39	72.49	77.63	83.72	
Ochiai	80.37	70.53	68.02	72.58	75.69	
Phi	77.41	70.88	68.02	72.58	75.23	
PSC	81.48	68.77	70.83	74.97	85.09	
Relative Matching	86.30	82.46	75.35	83.81	65.83	
Rogers and Tanimoto	9.63	21.05	9.45	6.88	13.99	
Russell and Rao	90.74	82.81	83.04	88.64	76.83	
Simple matching	9.26	21.05	9.22	6.88	12.84	
Sokal and Sneath	9.26	21.05	9.22	6.82	12.61	
Sokal and Sneath 2	80.37	68.07	70.83	73.53	84.17	
Sokal and Sneath 4	82.59	74.04	72.12	77.59	83.26	
Sokal binary distance	12.59	28.07	15.81	11.54	25.69	
Sorenson	72.96	63.51	63.96	68.30	72.02	
Yule	72.96	71.23	66.08	65.33	50.46	
PTM	90.78	83.03	83.13	88.74	78.91	

Move Class															
Coefficient	ExoPortal			FindBugs			FitJava			FitLibraryFF			FreeCol		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	20.32	29.45	33.56	27.02	39.24	47.31	46.51	69.77	86.05	25.72	35.25	39.91	58.59	68.51	74.43
Dot-product	30.14	41.55	50.68	44.62	54.40	60.88	55.81	76.74	88.37	33.04	45.90	52.99	69.47	79.01	86.83
Hamann	15.07	18.95	22.83	6.36	18.46	19.68	37.21	44.19	58.14	14.86	21.95	23.28	35.69	46.56	50.00
Jaccard	33.90	45.78	54.34	45.97	56.36	62.47	55.81	79.07	88.37	35.70	48.56	55.65	71.18	80.92	89.12
Kulczynski	18.15	23.40	32.99	44.38	54.16	60.64	55.81	76.74	88.37	21.73	37.92	45.01	69.47	80.73	86.83
Ochiai	28.31	38.70	47.60	44.74	55.01	61.00	60.47	76.74	86.05	31.26	44.35	52.99	70.42	80.53	86.26
Phi	28.42	38.47	47.60	45.11	55.01	60.88	53.49	74.42	86.05	31.26	44.35	52.55	70.23	80.92	87.02
PSC	33.79	47.26	57.08	50.24	62.96	69.44	53.49	79.07	86.05	36.59	49.45	58.09	73.85	86.26	91.79
Relative Matching	25.11	37.33	43.95	33.50	48.29	51.83	48.84	72.09	90.70	20.62	35.70	41.69	42.37	68.89	80.15
Rogers and Tanimoto	15.07	19.29	23.40	6.36	18.34	20.17	37.21	44.19	60.47	15.74	22.62	23.95	36.07	46.56	50.00
Russell and Rao	31.16	46.35	52.51	36.19	51.96	57.09	60.47	81.40	93.02	25.50	42.57	53.22	44.66	72.71	84.54
Simple matching	15.07	18.72	22.60	6.36	18.58	19.80	37.21	44.19	60.47	15.74	22.39	23.73	35.69	46.56	50.00
Sokal and Sneath	14.50	17.69	21.46	6.23	18.09	19.68	37.21	44.19	58.14	14.63	21.51	22.62	35.69	46.56	49.81
Sokal and Sneath 2	35.27	48.17	55.94	47.19	57.09	63.20	55.81	79.07	88.37	37.03	50.11	56.98	71.56	83.02	90.08
Sokal and Sneath 4	18.15	23.40	32.76	44.74	54.65	60.51	51.16	74.42	86.05	21.73	37.92	45.23	69.66	81.11	87.21
Sokal binary distance	16.32	20.21	24.09	7.46	19.32	21.76	37.21	44.19	72.09	17.74	24.17	25.50	39.89	47.71	52.10
Sorenson	30.14	41.55	50.68	44.62	54.40	60.88	55.81	76.74	88.37	33.04	45.90	52.99	69.47	79.01	86.83
Yule	10.73	15.30	19.41	17.73	27.14	33.99	32.56	67.44	81.40	11.09	25.94	34.15	39.12	47.90	53.82
PTMC	50.65	57.04	66.26	53.73	57.93	66.99	66.97	81.96	94.13	44.35	56.03	67.77	83.38	86.73	91.95

Move Method															
Coefficient	ExoPortal			FindBugs			FitJava			FitLibraryFF			FreeCol		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	21.23	28.11	31.43	10.06	17.95	21.44	37.08	52.81	57.30	12.58	18.01	22.29	9.51	13.89	18.79
Dot-product	31.80	42.38	49.11	22.19	34.27	39.48	47.19	57.30	69.66	26.48	38.90	44.49	20.93	31.47	38.51
Hamann	22.04	29.29	32.99	10.67	14.91	18.57	33.71	43.82	46.07	18.34	25.99	30.43	11.05	16.55	20.23
Jaccard	35.43	46.60	53.99	28.19	37.72	42.61	50.56	67.42	78.65	31.66	44.90	51.32	23.68	34.73	42.56
Kulczynski	24.48	34.32	41.27	14.25	28.14	34.89	40.45	50.56	60.67	18.67	28.45	35.44	16.18	27.18	36.41
Ochiai	30.62	40.90	47.49	19.89	33.48	38.33	41.57	58.43	68.54	23.68	36.10	41.53	20.84	31.28	38.60
Phi	30.62	40.90	47.41	19.94	33.44	38.33	40.45	58.43	68.54	23.68	35.94	41.53	20.79	31.28	38.79
PSC	36.17	48.45	55.33	25.63	40.23	46.49	49.44	73.03	77.53	31.00	43.75	51.73	25.73	38.00	46.76
Relative Matching	28.99	37.28	43.57	20.29	26.25	30.83	38.20	61.80	67.42	24.10	35.20	40.46	11.33	19.58	24.48
Rogers and Tanimoto	22.63	29.59	33.36	10.76	15.13	18.70	33.71	43.82	46.07	18.75	26.15	30.84	11.05	16.64	20.28
Russell and Rao	38.68	46.97	52.81	27.04	35.29	40.58	49.44	69.66	80.90	31.91	44.98	51.56	16.18	26.48	33.33
Simple matching	22.34	29.29	32.77	10.54	14.87	18.39	32.58	43.82	46.07	17.93	25.74	30.35	11.10	16.64	20.33
Sokal and Sneath	21.15	27.74	31.58	10.28	14.25	18.00	32.58	42.70	44.94	17.19	25.00	29.69	11.05	16.22	19.67
Sokal and Sneath 2	38.91	49.78	57.69	30.97	40.98	45.61	51.69	69.66	80.90	35.12	47.94	54.61	26.95	37.53	45.27
Sokal and Sneath 4	24.26	33.88	40.90	14.29	27.97	34.89	39.33	51.69	60.67	18.50	28.29	35.28	16.13	27.18	36.50
Sokal binary distance	26.18	33.14	35.80	12.35	17.07	21.17	32.58	44.94	50.56	21.88	29.61	33.96	12.96	18.46	22.28
Sorenson	31.80	42.38	49.11	22.19	34.27	39.48	47.19	57.30	69.66	26.48	38.90	44.49	20.93	31.47	38.51
Yule	13.39	17.38	21.75	6.18	14.38	18.13	26.97	42.70	53.93	6.41	9.87	12.66	5.13	9.00	11.75
PTMM	51.85	65.27	68.44	45.50	51.85	55.93	66.89	76.04	82.15	52.88	64.17	67.91	38.05	47.70	51.49

Exact Method															
Coefficient	ExoPortal			FindBugs			FitJava			FitLibraryFF			FreeCol		
	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits
Baroni-Urbani and Buser	71.25			63.62			51.72			66.23			68.10		
Dot-product	78.62			67.33			79.31			73.38			74.95		
Hamann	15.11			3.83			51.72			3.57			4.73		
Jaccard	78.40			69.78			79.31			73.70			75.80		
Kulczynski	85.38			80.64			82.76			77.27			82.06		
Ochiai	80.84			73.64			79.31			75.32			78.04		
Phi	80.84			73.49			79.31			75.00			77.92		
PSC	81.57			74.87			89.66			75.65			79.54		
Relative Matching	90.79			81.45			62.07			90.91			87.53		
Rogers and Tanimoto	14.99			3.83			51.72			2.92			4.76		
Russell and Rao	91.77			86.95			65.52			93.83			91.09		
Simple matching	14.86			3.83			51.72			3.57			4.73		
Sokal and Sneath	14.74			3.75			51.72			3.57			4.70		
Sokal and Sneath 2	77.76			71.92			79.31			74.68			77.92		
Sokal and Sneath 4	85.38			80.41			82.76			77.27			81.53		
Sokal binary distance	26.66			8.00			48.28			5.19			8.67		
Sorenson	78.62			67.33			79.31			73.38			74.95		
Yule	77.89			68.32			41.38			79.22			71.10		
PTM	91.81			87.31			65.73			93.93			91.30		

Move Class															
Coefficient	FreeCS			FreeMind			Galleon			GanttProject			GeoTools2		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	66.67	77.78	82.05	24.72	37.50	47.44	31.58	42.11	47.37	25.36	36.02	48.70	53.91	70.91	79.06
Dot-product	71.79	82.91	87.18	43.47	54.55	64.20	42.11	51.20	58.37	42.07	52.74	63.69	63.44	79.82	86.97
Hamann	64.96	71.79	79.49	13.07	19.32	25.85	33.01	37.32	39.23	13.54	17.87	21.33	34.25	52.75	65.46
Jaccard	73.50	84.62	86.32	45.17	57.95	67.61	43.54	52.15	57.89	44.38	55.33	64.84	65.34	80.25	87.62
Kulczynski	64.96	77.78	82.91	43.75	54.83	64.77	42.58	52.63	56.46	38.62	51.30	59.94	64.15	79.11	86.67
Ochiai	70.09	78.63	82.91	44.03	55.40	64.77	44.02	53.59	56.94	40.35	52.16	61.10	63.11	79.70	87.12
Phi	74.36	81.20	85.47	44.03	55.68	64.49	44.02	53.11	56.46	40.35	52.16	61.10	63.32	79.56	87.09
PSC	74.36	82.91	85.47	46.88	60.51	71.31	45.45	53.11	60.29	46.11	60.23	71.47	68.67	82.91	89.80
Relative Matching	35.04	74.36	78.63	33.81	48.58	56.25	36.84	43.54	47.85	34.29	49.28	59.08	56.36	73.16	81.03
Rogers and Tanimoto	66.67	71.79	81.20	13.07	19.60	25.57	33.49	37.80	39.23	13.54	18.16	21.61	35.63	53.70	66.01
Russell and Rao	23.93	76.07	81.20	39.49	54.26	62.78	42.58	47.37	52.15	40.92	59.08	68.01	60.66	77.92	85.71
Simple matching	65.81	71.79	79.49	13.07	19.60	25.57	33.01	37.32	39.23	13.54	17.87	21.33	34.49	52.79	65.53
Sokal and Sneath	65.81	71.79	79.49	13.07	19.03	25.85	33.01	36.84	38.76	12.97	17.58	21.04	33.16	51.68	65.06
Sokal and Sneath 2	75.21	85.47	86.32	46.59	56.53	68.18	44.50	51.67	57.42	45.24	57.35	67.44	66.37	80.77	87.95
Sokal and Sneath 4	71.79	79.49	87.18	43.47	54.55	65.06	41.63	52.63	56.94	38.62	51.30	59.65	64.42	79.37	86.93
Sokal binary distance	66.67	74.36	81.20	13.92	21.02	27.84	34.45	39.23	42.58	15.27	19.60	21.90	39.86	55.12	66.98
Sorenson	71.79	82.91	87.18	43.47	54.55	64.20	42.11	51.20	58.37	42.07	52.74	63.69	63.44	79.82	86.97
Yule	64.96	70.09	75.21	11.93	24.15	32.10	25.84	34.45	40.19	17.87	27.09	37.46	49.16	62.78	71.67
PTMC	74.26	83.91	92.99	55.67	61.92	73.64	51.51	54.16	62.40	58.49	62.15	70.32	75.10	80.88	92.06

Move Method															
Coefficient	FreeCS			FreeMind			Galleon			GanttProject			GeoTools2		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	13.40	18.21	24.40	11.53	18.48	23.43	17.14	23.85	28.46	7.58	13.87	18.20	38.97	49.74	56.68
Dot-product	25.77	32.99	37.80	25.50	37.40	44.35	28.13	38.35	43.52	20.37	34.78	42.58	48.17	60.96	68.20
Hamann	12.71	20.27	27.49	14.34	19.51	24.24	17.03	22.97	25.05	9.43	13.76	17.66	35.80	44.34	49.02
Jaccard	28.18	37.11	41.58	29.19	40.58	47.52	30.77	41.21	46.48	25.79	39.00	45.07	50.41	63.32	70.15
Kulczynski	15.46	27.15	35.74	19.88	33.33	42.79	20.00	27.25	31.87	13.98	26.00	33.69	46.05	59.61	67.06
Ochiai	20.96	31.62	37.80	23.87	36.29	45.31	26.04	35.27	40.11	18.96	31.20	37.92	47.89	61.10	68.34
Phi	20.62	30.58	37.46	23.95	36.36	45.68	26.15	34.95	40.00	18.85	31.31	38.14	47.85	61.12	68.20
PSC	28.87	38.14	44.33	30.38	43.09	51.37	30.66	41.87	47.47	28.49	42.90	49.62	52.52	65.46	72.28
Relative Matching	8.25	13.40	18.90	16.78	24.09	28.97	24.51	35.93	40.66	15.60	26.65	32.18	40.61	54.75	61.82
Rogers and Tanimoto	12.71	21.31	28.52	14.41	19.66	24.54	17.03	22.97	25.05	9.53	14.08	18.31	36.02	44.55	49.33
Russell and Rao	14.09	24.05	27.84	21.95	32.08	37.03	33.19	42.64	48.90	24.05	37.49	45.61	46.07	58.87	67.75
Simple matching	12.71	20.27	27.84	14.04	19.36	24.17	16.92	22.86	24.84	9.43	13.98	17.66	35.75	44.35	49.08
Sokal and Sneath	11.68	19.59	26.80	13.38	18.63	23.06	16.59	22.64	24.40	8.78	12.89	16.68	35.14	43.70	48.44
Sokal and Sneath 2	29.21	39.86	43.99	31.56	43.68	50.55	34.18	42.64	48.35	28.17	41.82	48.21	52.25	63.61	71.77
Sokal and Sneath 4	14.09	27.49	36.43	19.96	33.26	42.94	19.89	27.25	31.65	14.08	26.00	33.59	46.02	59.52	66.89
Sokal binary distance	17.18	26.80	35.05	17.07	22.62	28.68	19.89	25.38	27.25	12.24	19.39	24.05	38.71	46.59	52.11
Sorenson	25.77	32.99	37.80	25.50	37.40	44.35	28.13	38.35	43.52	20.37	34.78	42.58	48.17	60.96	68.20
Yule	4.47	12.71	15.46	9.61	15.67	20.33	10.77	16.81	22.97	5.63	11.27	14.30	31.74	42.72	49.37
PTMM	49.35	55.51	56.50	41.99	54.48	56.58	44.99	55.62	59.18	50.52	60.05	63.53	61.07	70.61	75.03

Exact Method						
Coefficient	FreeCS	FreeMind	Galleon	GanttProject	GeoTools2	
	Hits	Hits	Hits	Hits	Hits	
Baroni-Urbani and Buser	53.79	49.51	60.48	62.77	70.34	
Dot-product	67.86	55.35	69.90	64.02	76.28	
Hamann	14.06	5.84	10.48	6.38	6.67	
Jaccard	70.65	59.72	72.24	66.25	77.25	
Kulczynski	77.23	68.86	79.71	72.44	81.97	
Ochiai	71.54	62.49	72.94	69.15	78.81	
Phi	71.65	62.38	72.62	68.47	77.80	
PSC	75.78	65.41	79.44	71.57	78.86	
Relative Matching	80.25	72.32	76.99	78.43	88.71	
Rogers and Tanimoto	14.29	5.84	10.32	6.58	6.93	
Russell and Rao	87.05	83.57	84.23	85.59	92.33	
Simple matching	14.06	5.84	10.48	5.32	6.63	
Sokal and Sneath	13.84	5.84	10.32	5.22	6.48	
Sokal and Sneath 2	74.67	63.68	75.19	69.73	78.68	
Sokal and Sneath 4	74.89	68.43	78.86	72.24	79.97	
Sokal binary distance	17.52	9.62	14.41	12.57	10.27	
Sorenson	67.86	55.35	69.90	64.02	76.28	
Yule	56.47	53.41	65.34	67.50	74.91	
PTM	88.32	83.82	84.45	85.70	93.12	

Move Class															
Coefficient	Hadoop			Heritrix			HSQLDB			HTMLUnit			Informa		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	15.49	22.72	27.15	20.34	34.96	40.69	20.95	32.40	46.37	44.92	59.04	66.38	29.55	38.64	46.59
Dot-product	28.60	39.06	45.28	35.24	49.57	58.74	41.62	62.01	74.02	54.80	66.67	75.71	34.09	48.86	59.09
Hamann	7.74	10.38	12.09	11.75	19.48	25.79	17.32	27.09	33.24	7.63	23.16	42.09	21.59	31.82	38.64
Jaccard	32.60	42.47	48.34	37.25	53.87	63.32	44.13	64.25	75.98	55.93	68.08	78.25	34.09	51.14	63.64
Kulczynski	25.96	38.55	45.02	35.24	56.16	64.47	41.34	61.17	75.42	52.26	66.95	78.53	32.95	51.14	57.95
Ochiai	29.02	40.00	45.70	34.67	52.15	63.90	41.62	60.89	75.14	54.80	67.80	77.97	32.95	47.73	59.09
Phi	29.02	39.57	45.87	34.96	52.44	64.18	41.34	61.17	74.30	55.08	67.23	77.68	32.95	48.86	62.50
PSC	39.74	50.30	56.17	44.70	61.03	68.48	51.40	72.07	82.68	60.17	74.58	86.44	40.91	61.36	69.32
Relative Matching	15.06	21.62	26.38	18.91	31.52	38.68	36.59	51.96	69.55	37.57	56.78	65.54	26.14	32.95	44.32
Rogers and Tanimoto	7.74	10.38	12.09	11.75	20.06	26.07	17.32	27.09	33.52	7.91	23.45	42.09	21.59	31.82	38.64
Russell and Rao	18.81	27.15	33.96	22.64	37.54	45.56	50.84	63.97	77.65	41.53	58.19	71.75	30.68	37.50	55.68
Simple matching	7.83	10.38	12.17	11.75	19.48	25.79	17.32	27.09	33.24	7.63	23.16	42.09	21.59	31.82	38.64
Sokal and Sneath	7.74	10.21	11.91	11.75	19.20	25.79	17.32	26.82	32.96	7.06	22.32	27.97	21.59	31.82	38.64
Sokal and Sneath 2	35.66	44.60	50.81	38.40	56.73	65.62	45.81	67.04	78.21	57.63	69.21	79.66	34.09	51.14	62.50
Sokal and Sneath 4	26.38	38.72	45.36	35.24	55.59	65.33	40.50	61.17	75.42	52.54	67.23	78.53	34.09	51.14	62.50
Sokal binary distance	8.94	11.74	13.87	12.61	21.49	29.80	17.60	28.21	35.20	32.77	41.81	49.44	23.86	31.82	38.64
Sorenson	28.60	39.06	45.28	35.24	49.57	58.74	41.62	62.01	74.02	54.80	66.67	75.71	34.09	48.86	59.09
Yule	12.26	18.81	22.38	17.19	29.23	34.10	13.97	19.83	27.93	11.86	49.72	62.43	26.14	38.64	44.32
PTMC	44.11	47.83	54.38	46.48	56.35	69.01	58.66	70.46	85.65	66.10	71.52	80.75	43.64	62.86	76.55

Move Method															
Coefficient	Hadoop			Heritrix			HSQLDB			HTMLUnit			Informa		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	7.74	11.58	14.05	13.43	20.35	24.90	25.49	34.78	42.16	7.45	11.68	14.50	27.70	36.49	46.62
Dot-product	18.11	25.42	29.68	29.07	40.30	47.45	43.49	56.35	63.45	19.74	27.19	32.23	47.30	64.19	74.32
Hamann	10.15	13.06	14.88	20.58	27.18	31.81	27.88	37.25	42.59	11.58	18.83	22.05	29.73	37.84	43.92
Jaccard	21.11	29.07	33.77	32.91	44.07	52.00	47.14	59.29	66.04	22.16	30.11	35.25	50.00	67.57	77.03
Kulczynski	9.88	15.75	19.12	23.88	36.92	44.70	33.76	50.20	58.59	14.40	21.75	28.50	33.11	50.00	62.84
Ochiai	15.94	23.07	26.99	29.30	40.38	48.23	41.88	55.45	62.78	17.72	24.97	31.12	41.89	60.14	72.30
Phi	15.94	23.02	26.99	29.46	40.53	48.39	41.88	55.41	62.78	17.72	24.97	30.82	42.57	60.14	72.97
PSC	22.20	29.91	34.51	35.82	47.29	55.70	47.92	61.49	68.43	22.96	31.62	38.57	51.35	67.57	78.38
Relative Matching	13.84	19.40	22.39	21.84	31.81	38.57	30.98	44.39	53.25	14.00	20.64	26.08	25.68	37.84	47.97
Rogers and Tanimoto	10.15	12.97	14.84	20.66	27.34	31.81	27.96	37.61	43.14	11.78	19.03	22.46	29.73	37.84	43.92
Russell and Rao	19.99	27.26	31.46	30.01	42.66	49.80	37.61	52.24	61.37	19.44	27.79	35.35	39.19	50.68	61.49
Simple matching	10.15	13.08	14.92	20.42	27.02	31.66	27.84	37.53	43.02	11.28	18.73	22.26	29.73	37.84	43.92
Sokal and Sneath	9.43	12.13	13.93	19.56	26.08	30.56	27.69	37.10	42.20	10.88	18.43	21.65	29.05	37.84	43.24
Sokal and Sneath 2	23.70	32.07	37.38	35.98	48.47	54.12	50.78	63.02	69.18	24.27	33.84	39.58	56.08	68.92	78.38
Sokal and Sneath 4	9.75	15.64	19.02	23.80	36.92	44.70	34.04	50.31	58.75	14.40	22.26	28.50	33.78	48.65	64.19
Sokal binary distance	11.53	14.42	16.68	24.12	30.32	35.11	31.84	41.41	46.67	16.41	22.56	25.58	33.11	39.19	46.62
Sorenson	18.11	25.42	29.68	29.07	40.30	47.45	43.49	56.35	63.45	19.74	27.19	32.23	47.30	64.19	74.32
Yule	2.92	5.57	8.03	8.56	13.83	19.17	14.31	24.63	30.71	3.73	7.25	9.77	14.19	20.27	27.70
PTMM	42.10	51.24	53.80	50.83	60.97	64.09	61.11	69.30	74.43	46.83	52.86	57.26	59.51	66.45	72.27

Extact Method															
Coefficient	Hadoop			Heritrix			HSQLDB			HTMLUnit			Informa		
	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits
Baroni-Urbani and Buser	68.08			59.60			73.59			72.58				37.86	
Dot-product	72.91			69.80			78.89			78.45				60.19	
Hamann	4.50			9.55			15.05			13.34				3.88	
Jaccard	74.06			71.58			80.61			80.94				59.22	
Kulczynski	82.08			80.32			83.35			89.59				66.02	
Ochiai	76.55			74.17			80.91			83.87				60.19	
Phi	76.51			73.68			80.79			82.70				60.19	
PSC	77.76			76.11			82.84			83.72				58.25	
Relative Matching	87.54			83.89			88.31			90.03				66.02	
Rogers and Tanimoto	4.54			9.96			15.13			13.34				1.94	
Russell and Rao	91.33			89.39			90.83			92.52				69.90	
Simple matching	4.54			9.80			15.05			13.34				3.88	
Sokal and Sneath	4.48			9.47			15.05			13.34				3.88	
Sokal and Sneath 2	76.67			73.77			82.51			83.14				60.19	
Sokal and Sneath 4	81.87			79.92			82.87			89.30				58.25	
Sokal binary distance	7.48			12.63			19.91			19.06				3.88	
Sorenson	72.91			69.80			78.89			78.45				60.19	
Yule	73.28			62.75			73.47			76.25				60.19	
PTM	91.54			89.45			91.28			92.59				72.88	

Move Class															
Coefficient	iReport			iText			IvataGroupWare			JFin_DateMath			Jag		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	25.49	38.33	46.60	17.34	30.92	39.60	70.83	86.11	90.28	47.37	76.32	81.58	28.57	47.62	57.14
Dot-product	39.61	51.04	60.66	30.35	47.40	58.38	70.83	88.89	93.06	60.53	76.32	86.84	39.29	54.76	67.86
Hamann	11.90	14.12	15.87	5.78	13.87	17.34	37.50	55.56	65.28	44.74	71.05	81.58	22.62	47.62	52.38
Jaccard	41.63	53.19	62.81	33.24	48.55	63.01	70.83	88.89	93.06	57.89	76.32	86.84	41.67	60.71	69.05
Kulczynski	28.04	52.25	60.93	23.12	40.75	53.76	66.67	88.89	93.06	55.26	78.95	86.84	42.86	57.14	69.05
Ochiai	36.11	51.45	60.52	27.46	44.51	59.54	70.83	88.89	93.06	60.53	76.32	86.84	41.67	57.14	67.86
Phi	36.11	51.38	60.46	26.59	43.35	57.80	70.83	87.50	91.67	50.00	78.95	86.84	41.67	55.95	66.67
PSC	43.51	56.69	67.32	34.10	54.05	68.50	75.00	90.28	94.44	63.16	84.21	89.47	50.00	67.86	76.19
Relative Matching	26.97	45.39	53.13	24.86	49.13	61.56	59.72	84.72	87.50	60.53	76.32	84.21	30.95	45.24	59.52
Rogers and Tanimoto	11.84	14.19	15.87	5.78	13.87	17.34	44.44	56.94	65.28	44.74	68.42	81.58	22.62	47.62	52.38
Russell and Rao	34.03	50.24	58.37	38.15	64.74	76.30	61.11	90.28	91.67	63.16	86.84	89.47	40.48	58.33	70.24
Simple matching	11.97	14.19	15.87	5.78	13.58	16.76	38.89	54.17	65.28	44.74	71.05	81.58	22.62	47.62	52.38
Sokal and Sneath	11.84	13.99	15.80	5.49	13.29	16.76	37.50	52.78	65.28	42.11	71.05	78.95	22.62	47.62	51.19
Sokal and Sneath 2	43.17	54.74	64.36	35.26	52.02	64.45	72.22	88.89	93.06	57.89	78.95	89.47	46.43	63.10	70.24
Sokal and Sneath 4	28.11	52.12	61.00	21.97	40.46	52.60	69.44	87.50	90.28	47.37	81.58	86.84	41.67	53.57	65.48
Sokal binary distance	12.64	15.27	17.15	7.80	16.18	19.36	45.83	56.94	63.89	42.11	68.42	81.58	27.38	46.43	51.19
Sorenson	39.61	51.04	60.66	30.35	47.40	58.38	70.83	88.89	93.06	60.53	76.32	86.84	39.29	54.76	67.86
Yule	15.27	18.83	23.60	15.90	28.03	37.57	51.39	76.39	86.11	42.11	71.05	84.21	22.62	40.48	52.38
PTMC	53.84	59.89	70.03	48.46	58.01	72.53	84.11	89.10	97.31	71.01	82.05	91.92	59.15	67.29	71.15

Move Method															
Coefficient	iReport			iText			IvataGroupWare			JFin_DateMath			Jag		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	36.74	41.81	44.42	15.76	21.89	26.97	57.11	72.05	78.07	78.13	87.50	93.75	25.59	39.81	51.18
Dot-product	45.75	51.98	55.89	22.59	32.92	38.97	68.19	80.96	86.99	78.13	90.63	96.88	37.44	54.50	66.35
Hamann	34.82	38.95	40.46	15.76	21.89	26.01	48.19	59.04	63.37	90.63	93.75	93.75	16.11	26.54	27.96
Jaccard	47.93	53.64	57.55	26.09	35.64	42.38	69.88	81.69	88.19	78.13	90.63	96.88	39.81	57.35	67.30
Kulczynski	44.17	49.86	54.54	22.50	31.17	37.30	57.35	75.66	84.10	81.25	96.88	100.00	30.33	47.87	56.40
Ochiai	45.92	52.02	56.11	23.12	32.05	38.44	65.54	80.00	86.51	78.13	87.50	100.00	35.07	51.18	63.98
Phi	45.92	52.00	56.13	23.03	32.05	38.62	64.58	79.04	85.54	78.13	90.63	100.00	34.60	50.71	62.56
PSC	48.68	55.23	59.45	27.41	37.57	43.61	69.64	82.41	89.16	78.13	96.88	100.00	39.81	57.82	68.72
Relative Matching	42.49	46.82	49.18	20.58	28.20	31.70	42.89	60.00	78.31	65.63	84.38	93.75	34.12	51.18	60.19
Rogers and Tanimoto	34.95	39.17	40.63	15.67	22.07	26.27	48.67	59.04	65.30	90.63	93.75	93.75	16.59	26.07	27.96
Russell and Rao	47.17	52.22	54.86	25.13	34.85	40.11	49.64	67.95	82.41	65.63	87.50	93.75	42.18	56.87	64.45
Simple matching	34.84	39.04	40.59	15.67	21.98	26.27	48.43	59.04	63.61	87.50	93.75	93.75	15.64	25.59	27.96
Sokal and Sneath	34.60	38.60	40.07	15.41	21.02	25.04	47.71	57.83	62.65	87.50	93.75	93.75	15.64	26.07	27.49
Sokal and Sneath 2	49.81	55.45	58.62	28.37	37.22	44.40	71.08	82.89	89.40	81.25	90.63	96.88	43.13	58.77	69.67
Sokal and Sneath 4	44.15	49.86	54.47	22.50	31.17	37.13	58.07	76.14	84.10	81.25	96.88	100.00	30.33	47.87	56.40
Sokal binary distance	36.85	41.49	42.86	19.53	24.34	29.07	52.05	62.41	67.23	87.50	90.63	90.63	19.43	28.91	32.70
Sorenson	45.75	51.98	55.89	22.59	32.92	38.97	68.19	80.96	86.99	78.13	90.63	96.88	37.44	54.50	66.35
Yule	12.70	15.21	17.86	13.92	16.90	21.37	28.92	45.30	56.39	50.00	93.75	96.88	17.54	28.44	44.08
PTMM	59.26	63.07	63.69	50.07	56.11	59.99	72.54	85.43	90.74	73.08	92.22	97.28	50.89	69.21	77.71

Exact Method															
Coefficient	iReport			iText			IvataGroupWare			JFin_DateMath			Jag		
	Hits			Hits			Hits			Hits			Hits		
Baroni-Urbani and Buser	72.95			58.31			86.98			16.67			69.76		
Dot-product	79.26			65.90			90.48			16.67			75.15		
Hamann	22.87			10.36			25.56			0.00			15.27		
Jaccard	80.87			67.68			91.59			23.08			76.88		
Kulczynski	84.04			76.06			93.17			25.00			87.72		
Ochiai	81.56			69.85			92.06			25.00			79.04		
Phi	81.48			69.79			88.89			25.00			78.14		
PSC	82.95			71.83			92.86			25.00			79.34		
Relative Matching	87.07			79.95			93.97			25.00			93.41		
Rogers and Tanimoto	22.87			10.88			26.35			0.00			15.27		
Russell and Rao	89.31			83.18			94.44			41.67			96.11		
Simple matching	22.87			10.55			25.71			0.00			15.27		
Sokal and Sneath	22.87			9.96			25.56			0.00			15.27		
Sokal and Sneath 2	82.38			71.50			92.06			33.33			78.74		
Sokal and Sneath 4	83.97			75.53			88.73			25.00			85.03		
Sokal binary distance	28.28			18.73			29.21			0.00			19.46		
Sorenson	79.26			65.90			90.48			16.67			75.15		
Yule	74.15			63.46			87.94			16.67			75.15		
PTM	89.55			83.87			95.41			41.85			96.54		

Move Class															
Coefficient	James			Jasml			JasperReports			JavaCC			JBoss		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	53.90	71.00	79.93	61.54	69.23	84.62	29.67	39.96	55.79	68.66	86.57	92.54	21.09	30.91	38.91
Dot-product	62.45	78.07	82.53	61.54	84.62	100.00	42.83	55.79	71.32	74.63	91.04	94.03	37.45	52.73	57.45
Hamann	28.25	47.58	61.34	53.85	61.54	76.92	13.55	15.33	16.82	7.46	40.30	62.69	14.55	21.82	25.45
Jaccard	64.68	78.44	82.90	61.54	84.62	100.00	44.71	58.95	72.70	76.12	91.04	97.01	40.36	55.64	60.73
Kulczynski	52.79	73.61	82.53	38.46	69.23	92.31	43.42	55.79	72.80	77.61	89.55	94.03	40.00	54.55	62.18
Ochiai	59.85	78.44	82.53	53.85	76.92	100.00	42.63	55.19	71.81	76.12	89.55	94.03	37.82	52.36	60.36
Phi	61.34	79.55	83.27	61.54	76.92	92.31	42.73	55.49	71.61	76.12	89.55	97.01	38.55	53.45	60.36
PSC	65.06	80.67	84.39	61.54	84.62	100.00	52.13	67.75	77.65	76.12	92.54	97.01	45.82	59.64	65.45
Relative Matching	53.53	66.91	75.46	7.69	46.15	100.00	36.30	49.36	63.30	67.16	85.07	94.03	27.64	41.45	49.45
Rogers and Tanimoto	29.00	48.70	60.97	53.85	61.54	76.92	13.65	15.43	16.82	8.96	47.76	62.69	14.55	21.45	25.09
Russell and Rao	54.65	70.63	77.32	15.38	61.54	100.00	46.29	60.83	71.91	70.15	92.54	98.51	34.18	53.82	60.36
Simple matching	28.25	47.21	61.34	53.85	61.54	76.92	13.35	15.23	16.82	7.46	40.30	62.69	14.55	21.82	25.45
Sokal and Sneath	27.51	47.21	60.97	53.85	61.54	76.92	13.16	14.84	16.72	5.97	38.81	62.69	14.18	21.09	24.73
Sokal and Sneath 2	65.06	78.81	83.27	61.54	92.31	100.00	46.79	60.53	73.89	76.12	91.04	97.01	41.09	56.36	61.09
Sokal and Sneath 4	53.90	77.32	83.64	38.46	76.92	92.31	43.22	55.29	72.90	73.13	91.04	95.52	40.00	53.82	62.18
Sokal binary distance	31.97	49.07	63.20	46.15	53.85	69.23	15.13	17.21	18.20	14.93	50.75	74.63	17.09	24.73	27.64
Sorenson	62.45	78.07	82.53	61.54	84.62	100.00	42.83	55.79	71.32	74.63	91.04	94.03	37.45	52.73	57.45
Yule	39.41	55.76	70.26	30.77	69.23	84.62	23.74	35.71	47.18	68.66	85.07	92.54	20.73	29.09	36.00
PTMC	74.76	81.74	85.97	73.24	92.84	100.00	59.47	63.91	72.62	81.85	92.84	100.00	49.62	57.45	68.60

Move Method															
Coefficient	James			Jasml			JasperReports			JavaCC			JBoss		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	20.65	29.22	34.42	73.91	94.20	98.55	20.76	27.44	30.49	23.57	38.85	46.50	18.56	24.57	27.64
Dot-product	34.42	44.16	48.18	79.71	94.20	98.55	35.99	44.25	49.42	44.59	55.41	68.15	34.98	43.39	50.87
Hamann	27.40	34.42	38.44	47.83	63.77	63.77	25.42	29.69	31.17	43.95	54.14	57.96	22.96	28.84	33.78
Jaccard	37.27	45.58	51.82	79.71	94.20	97.10	39.59	48.78	53.95	49.04	65.61	77.71	37.38	48.60	54.61
Kulczynski	34.42	43.12	49.09	65.22	89.86	95.65	28.37	36.09	41.23	40.13	50.32	61.15	31.11	42.06	49.93
Ochiai	36.49	44.55	49.74	79.71	94.20	98.55	34.19	41.45	46.53	42.04	59.24	66.88	33.24	44.06	51.94
Phi	36.10	44.68	49.48	79.71	92.75	97.10	34.16	41.29	46.43	41.40	58.60	68.79	33.38	44.06	51.94
PSC	39.87	49.22	56.23	78.26	94.20	97.10	40.07	49.45	55.98	54.78	66.88	78.34	40.05	52.74	58.88
Relative Matching	24.55	34.68	40.39	82.61	86.96	98.55	30.43	40.58	44.83	20.38	31.21	40.76	27.50	38.05	42.86
Rogers and Tanimoto	27.40	34.55	38.83	47.83	63.77	63.77	25.61	30.04	31.59	43.95	54.78	58.60	22.96	29.11	33.64
Russell and Rao	30.52	43.51	49.09	79.71	85.51	98.55	38.53	48.04	53.66	27.39	40.76	49.68	35.51	45.53	52.47
Simple matching	27.14	34.16	38.44	47.83	57.97	57.97	25.35	29.66	31.23	43.95	54.14	57.96	22.83	28.84	33.24
Sokal and Sneath	26.36	33.25	37.66	47.83	57.97	57.97	24.26	28.60	30.04	40.76	54.14	57.96	22.43	28.17	32.71
Sokal and Sneath 2	40.65	49.35	54.68	79.71	94.20	97.10	43.89	53.15	58.64	54.14	67.52	78.34	40.45	51.94	58.48
Sokal and Sneath 4	34.16	42.73	48.83	65.22	89.86	95.65	27.83	35.54	40.78	39.49	52.87	63.69	31.11	41.92	49.93
Sokal binary distance	30.00	37.40	41.95	53.62	68.12	68.12	29.50	34.06	36.66	47.13	59.87	68.15	24.43	31.51	35.78
Sorenson	34.42	44.16	48.18	79.71	94.20	98.55	35.99	44.25	49.42	44.59	55.41	68.15	34.98	43.39	50.87
Yule	12.86	19.87	22.99	63.77	88.41	95.65	9.45	19.54	22.33	12.10	22.29	26.11	14.29	21.50	23.90
PTMM	47.46	61.09	63.70	84.24	86.67	98.03	54.96	63.98	67.47	60.25	72.37	74.68	52.89	63.17	65.93

Extact Method						
Coefficient	James	Jasml	JasperReports	JavaCC	JBoss	
	Hits	Hits	Hits	Hits	Hits	
Baroni-Urbani and Buser	54.39	35.75	52.89	59.04	58.17	
Dot-product	56.98	54.40	65.21	64.03	66.00	
Hamann	6.79	2.07	10.48	14.80	5.00	
Jaccard	60.08	54.92	66.68	71.26	67.50	
Kulczynski	71.09	75.65	75.84	75.73	73.83	
Ochiai	63.62	60.62	69.51	70.05	69.50	
Phi	62.70	56.48	69.22	70.05	69.33	
PSC	62.93	56.99	71.39	76.94	72.50	
Relative Matching	77.27	72.02	76.98	82.44	80.50	
Rogers and Tanimoto	7.02	2.07	10.52	15.66	5.00	
Russell and Rao	82.46	87.56	84.92	89.16	85.33	
Simple matching	6.79	2.07	10.41	14.80	5.00	
Sokal and Sneath	6.56	2.07	10.33	14.80	5.00	
Sokal and Sneath 2	61.71	54.40	69.73	77.80	69.50	
Sokal and Sneath 4	69.64	56.48	74.84	73.84	73.33	
Sokal binary distance	11.59	2.07	14.49	19.45	7.00	
Sorenson	56.98	54.40	65.21	64.03	66.00	
Yule	62.09	54.92	54.36	60.07	62.17	
PTM	83.33	89.79	85.17	89.75	85.54	

Move Class															
Coefficient	JChemPaint			Jena			Jext			JGraph			JGraphPad		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	96.18	96.86	97.25	41.00	47.75	56.27	47.03	54.52	59.69	17.93	26.90	35.86	60.85	71.89	82.56
Dot-product	97.16	97.91	98.32	51.93	69.13	77.01	58.14	66.15	72.87	25.52	35.86	48.97	72.60	81.14	87.54
Hamann	94.86	95.36	95.74	25.24	32.15	35.85	40.83	54.01	56.07	6.90	13.10	15.86	52.67	59.07	67.97
Jaccard	97.27	98.08	98.41	54.82	72.51	79.26	61.76	67.96	76.49	25.52	40.00	51.03	72.95	82.92	89.68
Kulczynski	96.50	97.64	98.07	49.68	64.15	73.95	59.17	65.63	72.61	24.83	37.24	51.72	66.90	82.21	88.97
Ochiai	97.13	97.98	98.30	52.57	67.85	77.01	57.88	66.41	72.61	24.83	38.62	51.03	70.46	81.85	89.32
Phi	97.13	97.98	98.32	52.25	68.17	76.69	57.62	65.37	72.35	27.59	36.55	51.03	69.75	81.85	89.68
PSC	97.42	98.25	98.55	61.74	76.69	83.44	62.02	71.58	79.59	31.03	43.45	54.48	73.31	83.99	88.97
Relative Matching	96.12	96.95	97.42	44.37	59.16	66.56	51.68	61.50	64.34	10.34	26.90	40.69	61.21	74.38	83.27
Rogers and Tanimoto	94.89	95.38	95.75	25.56	32.32	35.85	40.83	54.01	56.07	6.90	13.10	15.86	52.67	60.50	67.97
Russell and Rao	96.42	97.42	97.78	52.09	68.81	77.49	58.14	67.44	72.35	14.48	37.93	48.28	66.55	75.44	83.99
Simple matching	94.86	95.37	95.72	25.24	32.15	35.85	40.57	53.75	55.56	6.90	12.41	15.86	52.67	59.07	67.97
Sokal and Sneath	94.83	95.33	95.69	25.24	32.15	35.69	40.05	53.75	55.56	6.90	12.41	15.86	52.67	59.07	67.26
Sokal and Sneath 2	97.38	98.15	98.44	57.07	73.63	79.90	63.31	68.99	77.52	26.90	41.38	51.72	73.31	82.92	90.04
Sokal and Sneath 4	96.54	97.64	98.07	49.84	63.99	73.47	58.91	65.37	72.61	26.21	38.62	47.59	67.26	81.85	89.68
Sokal binary distance	95.19	95.77	96.17	26.53	35.69	38.75	46.51	55.30	58.14	8.28	13.79	17.93	53.38	64.77	70.46
Sorenson	97.16	97.91	98.32	51.93	69.13	77.01	58.14	66.15	72.87	25.52	35.86	48.97	72.60	81.14	87.54
Yule	94.14	94.92	96.15	34.89	40.68	45.66	36.69	46.25	56.85	14.48	22.76	29.66	56.94	65.84	74.02
PTMC	98.22	98.44	100.00	68.82	76.26	82.94	74.40	73.79	85.24	33.98	44.99	56.12	81.77	82.89	90.69

Move Method															
Coefficient	JChemPaint			Jena			Jext			JGraph			JGraphPad		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	13.65	16.26	19.78	9.72	15.59	19.20	4.30	7.62	10.35	8.85	14.53	19.43	9.85	17.73	20.69
Dot-product	22.88	29.67	35.32	21.75	33.83	41.05	16.02	23.05	26.17	15.96	27.96	38.07	24.38	34.48	39.16
Hamann	16.93	20.81	25.30	14.67	19.99	24.57	13.48	17.97	20.12	7.58	12.80	17.85	24.14	28.82	31.03
Jaccard	25.42	34.10	39.32	27.81	38.41	45.40	20.31	28.32	31.64	19.43	34.28	42.81	31.03	37.68	42.86
Kulczynski	18.81	24.88	28.58	15.41	24.66	31.51	17.19	26.56	29.49	11.69	21.64	29.70	26.11	36.21	42.12
Ochiai	22.09	29.25	33.86	19.94	31.79	38.82	16.60	24.41	28.52	14.06	26.70	35.23	25.37	35.47	41.63
Phi	22.09	29.25	33.86	19.90	31.65	38.73	16.60	24.61	28.71	14.06	26.54	35.07	25.37	35.47	42.12
PSC	26.09	35.01	42.17	28.60	38.96	46.69	23.83	32.62	36.91	21.33	35.86	46.76	33.00	42.36	47.54
Relative Matching	14.62	19.84	23.06	18.60	27.16	33.41	4.88	8.59	11.72	9.48	18.01	25.12	10.59	17.00	22.17
Rogers and Tanimoto	17.05	21.12	25.67	14.99	20.18	24.76	13.87	18.75	20.51	12.80	18.17	24.14	28.82	31.03	
Russell and Rao	19.78	26.46	29.85	25.64	38.13	43.91	10.74	19.73	25.00	11.53	22.75	32.39	21.18	29.56	34.24
Simple matching	16.87	20.75	25.36	14.72	19.99	24.57	13.28	18.36	19.92	7.42	12.32	17.69	22.66	27.59	29.80
Sokal and Sneath	16.69	19.90	24.45	13.84	19.44	23.60	12.30	16.41	18.36	7.27	12.16	17.06	21.67	26.60	28.82
Sokal and Sneath 2	28.40	37.80	43.14	30.82	41.65	48.36	23.24	32.62	36.13	22.91	36.33	46.60	33.00	40.39	44.58
Sokal and Sneath 4	18.69	24.88	28.58	15.36	24.62	31.51	17.19	26.56	29.49	12.01	21.48	29.23	26.11	36.21	41.87
Sokal binary distance	19.24	24.70	29.13	18.09	24.34	28.37	17.58	23.05	25.59	9.48	15.64	22.59	25.62	31.28	33.25
Sorenson	22.88	29.67	35.32	21.75	33.83	41.05	16.02	23.05	26.17	15.96	27.96	38.07	24.38	34.48	39.16
Yule	4.73	8.19	9.34	4.21	8.19	11.20	1.76	4.69	7.03	6.95	10.58	14.38	4.19	10.34	13.55
PTMM	39.40	47.54	52.57	45.50	55.40	61.27	41.18	46.56	48.40	31.67	44.66	52.01	42.74	48.95	51.56

Exact Method															
Coefficient	JChemPaint			Jena			Jext			JGraph			JGraphPad		
	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits
Baroni-Urbani and Buser	54.90			64.85			63.70			45.64			51.33		
Dot-product	61.97			67.38			66.48			53.54			55.56		
Hamann	10.11			8.34			14.44			7.08			3.78		
Jaccard	64.65			70.29			68.70			58.26			57.56		
Kulczynski	70.58			79.01			77.41			68.29			70.89		
Ochiai	65.49			72.95			71.85			59.47			63.33		
Phi	65.30			73.07			71.67			59.35			62.67		
PSC	67.50			76.11			74.26			65.51			63.78		
Relative Matching	82.98			81.29			80.74			67.36			71.11		
Rogers and Tanimoto	10.03			8.34			14.44			7.55			3.78		
Russell and Rao	85.95			88.24			85.37			76.42			81.11		
Simple matching	10.11			8.22			14.44			7.08			3.78		
Sokal and Sneath	10.06			8.22			14.26			7.08			3.78		
Sokal and Sneath 2	67.56			74.08			73.52			62.95			61.78		
Sokal and Sneath 4	70.41			78.76			77.04			67.36			70.67		
Sokal binary distance	15.20			14.29			18.89			14.63			9.78		
Sorenson	61.97			67.38			66.48			53.54			55.56		
Yule	59.49			67.26			71.11			52.03			50.89		
PTM	86.28			88.31			85.74			77.34			81.71		

Move Class															
Coefficient	JGraphT			JGroups			JMoney			JOggPlayer			JParse		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	17.29	39.85	54.89	24.30	41.43	52.19	58.33	85.42	97.92	42.86	62.50	73.21	76.92	87.69	100.00
Dot-product	37.59	57.89	67.67	33.86	54.98	64.54	66.67	87.50	97.92	60.12	73.81	80.95	86.15	93.85	100.00
Hamann	23.31	30.08	35.34	9.16	12.75	20.72	43.75	58.33	100.00	9.52	13.10	14.29	70.77	76.92	100.00
Jaccard	44.36	63.16	72.18	37.45	56.18	67.33	70.83	87.50	97.92	60.71	75.60	81.55	86.15	93.85	100.00
Kulczynski	36.09	56.39	67.67	36.65	57.37	66.53	56.25	85.42	95.83	47.02	67.86	73.21	89.23	93.85	100.00
Ochiai	36.84	60.15	71.43	39.44	55.78	65.74	64.58	87.50	97.92	55.36	71.43	75.00	87.69	93.85	100.00
Phi	37.59	60.15	72.18	39.44	55.78	66.14	66.67	87.50	97.92	55.95	71.43	76.19	84.62	93.85	100.00
PSC	46.62	71.43	76.69	45.42	62.55	73.71	70.83	85.42	97.92	64.88	78.57	84.52	89.23	93.85	100.00
Relative Matching	19.55	40.60	47.37	24.70	48.21	56.97	54.17	77.08	93.75	36.31	58.33	72.02	84.62	90.77	100.00
Rogers and Tanimoto	23.31	30.08	38.35	8.76	13.15	21.12	47.92	64.58	100.00	9.52	13.10	14.29	73.85	76.92	100.00
Russell and Rao	24.81	51.13	62.41	27.89	53.78	63.35	52.08	75.00	91.67	34.52	61.90	75.60	89.23	93.85	100.00
Simple matching	23.31	30.08	37.59	9.16	12.75	20.72	43.75	58.33	100.00	9.52	13.10	14.29	70.77	76.92	100.00
Sokal and Sneath	22.56	30.08	35.34	9.16	12.35	20.72	43.75	56.25	100.00	9.52	13.10	14.29	70.77	73.85	100.00
Sokal and Sneath 2	48.12	66.92	75.19	39.04	59.76	68.13	72.92	87.50	97.92	61.31	77.38	82.74	86.15	93.85	100.00
Sokal and Sneath 4	37.59	57.14	69.17	37.05	56.97	66.93	60.42	87.50	97.92	51.79	68.45	75.00	86.15	93.85	100.00
Sokal binary distance	24.81	32.33	44.36	9.16	16.33	24.70	47.92	66.67	97.92	12.50	14.88	16.67	72.31	75.38	100.00
Sorenson	37.59	57.89	67.67	33.86	54.98	64.54	66.67	87.50	97.92	60.12	73.81	80.95	86.15	93.85	100.00
Yule	11.28	18.80	23.31	14.34	28.29	34.66	56.25	77.08	93.75	33.33	54.17	65.48	75.38	86.15	100.00
PTMC	55.39	63.43	77.11	46.22	59.22	76.35	76.64	87.91	100.00	65.73	73.79	82.91	94.38	92.57	100.00

Move Method															
Coefficient	JGraphT			JGroups			JMoney			JOggPlayer			JParse		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	16.72	24.63	29.33	10.08	17.44	22.24	30.57	50.32	63.06	20.59	29.41	37.94	79.52	82.53	84.34
Dot-product	20.82	36.07	44.28	21.28	31.47	39.52	40.76	64.97	71.34	35.88	52.35	65.59	83.73	87.35	89.76
Hamann	19.94	32.55	37.83	9.81	15.63	17.92	18.47	24.84	28.03	21.18	32.94	42.06	76.51	77.71	77.71
Jaccard	29.62	42.82	52.49	24.48	36.59	44.48	45.86	64.33	74.52	43.53	56.47	70.88	83.73	86.75	89.76
Kulczynski	20.82	32.84	42.52	18.03	28.43	34.99	40.76	61.15	73.25	33.24	49.41	62.65	78.92	80.72	81.93
Ochiai	22.58	36.95	44.28	20.05	29.97	37.87	41.40	65.61	71.34	36.18	52.35	64.12	81.33	83.13	84.34
Phi	22.29	36.95	44.57	20.05	30.08	37.60	41.40	64.33	71.34	36.18	52.35	63.82	80.72	83.13	84.34
PSC	32.55	46.33	56.89	26.40	39.47	47.95	48.41	66.24	74.52	44.12	59.41	74.12	83.13	84.94	86.75
Relative Matching	19.35	25.81	29.33	16.75	26.03	32.43	38.85	59.87	68.15	33.82	45.59	55.29	84.94	88.55	90.96
Rogers and Tanimoto	19.94	32.84	38.12	9.92	15.79	18.03	22.29	26.75	29.94	21.18	32.65	42.35	76.51	77.71	77.71
Russell and Rao	26.39	31.96	37.24	24.91	35.63	44.16	52.23	67.52	74.52	47.65	58.53	68.82	86.14	91.57	93.37
Simple matching	19.65	32.55	37.83	9.76	15.63	17.87	21.02	26.75	29.94	20.59	32.06	41.18	76.51	77.71	77.71
Sokal and Sneath	18.48	31.67	36.66	9.49	14.93	17.55	17.83	23.57	26.11	20.00	31.76	40.88	75.90	76.51	76.51
Sokal and Sneath 2	39.00	53.37	60.41	27.95	40.80	47.47	48.41	65.61	74.52	46.18	61.76	72.65	84.94	85.54	87.95
Sokal and Sneath 4	20.53	32.84	42.52	18.03	28.37	35.04	39.49	61.15	72.61	33.24	49.41	62.65	78.31	80.72	81.93
Sokal binary distance	23.75	34.60	42.23	11.63	18.51	20.91	24.20	29.30	33.12	30.59	40.59	50.29	76.51	77.71	77.71
Sorenson	20.82	36.07	44.28	21.28	31.47	39.52	40.76	64.97	71.34	35.88	52.35	65.59	83.73	87.35	89.76
Yule	9.09	20.82	24.34	7.63	13.97	18.83	28.03	43.95	59.24	16.76	23.53	34.41	74.70	76.51	77.71
PTMM	56.19	66.24	69.80	47.96	56.93	62.99	68.60	74.83	81.16	60.69	74.11	78.55	91.59	90.21	91.72

Extact Method															
Coefficient	JGraphT			JGroups			JMoney			JOggPlayer			JParse		
	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits
Baroni-Urbani and Buser	38.10			62.66			60.00			57.71			95.21		
Dot-product	46.03			68.00			64.29			72.00			96.41		
Hamann	15.87			5.27			2.86			14.86			17.55		
Jaccard	50.79			70.01			64.29			72.00			97.21		
Kulczynski	53.97			80.92			78.57			77.14			97.21		
Ochiai	50.79			73.05			70.00			73.52			96.41		
Phi	50.79			72.68			70.00			73.33			96.14		
PSC	52.38			78.40			71.43			74.67			97.34		
Relative Matching	63.49			80.92			77.14			81.14			94.28		
Rogers and Tanimoto	15.87			5.27			2.86			15.62			19.02		
Russell and Rao	69.84			88.34			85.71			85.14			96.81		
Simple matching	15.87			5.27			2.86			14.86			17.55		
Sokal and Sneath	15.87			5.27			2.86			14.86			16.76		
Sokal and Sneath 2	50.79			74.31			64.29			72.95			97.21		
Sokal and Sneath 4	53.97			80.48			77.14			76.38			96.94		
Sokal binary distance	17.46			7.87			1.43			24.19			93.09		
Sorenson	46.03			68.00			64.29			72.00			96.41		
Yule	42.86			66.22			61.43			60.00			93.09		
PTM	69.94			88.72			87.35			85.23			97.08		

Move Class															
Coefficient	JPF			JRat			JRE			JREFactory			JRuby		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	64.62	75.38	84.62	38.51	51.72	57.47	21.64	27.60	32.71	40.53	49.34	55.95	33.18	47.35	53.00
Dot-product	64.62	80.00	87.69	45.98	58.62	63.22	40.86	52.17	57.71	54.63	64.87	71.37	50.94	65.65	71.30
Hamann	24.62	43.08	55.38	25.29	32.18	35.63	12.07	14.41	15.48	22.58	23.57	28.74	26.19	37.58	40.45
Jaccard	66.15	80.00	89.23	47.13	58.62	63.79	43.37	54.51	60.07	56.17	67.29	73.57	53.54	67.44	73.09
Kulczynski	69.23	81.54	89.23	45.98	58.05	62.64	33.83	45.68	52.36	51.98	62.89	69.82	51.57	64.57	69.96
Ochiai	67.69	83.08	89.23	46.55	59.77	63.22	39.74	51.00	57.06	54.07	64.76	72.03	52.47	66.37	72.47
Phi	67.69	80.00	90.77	46.55	59.77	63.22	39.72	50.88	56.97	54.74	65.31	72.03	52.29	66.64	72.02
PSC	70.77	84.62	89.23	47.13	61.49	65.52	47.26	59.83	65.24	59.58	71.26	76.10	58.12	71.39	76.86
Relative Matching	64.62	78.46	86.15	41.95	55.75	61.49	34.23	43.11	49.33	39.10	55.29	61.89	36.86	54.35	64.48
Rogers and Tanimoto	24.62	44.62	55.38	24.71	32.18	35.63	12.14	14.48	15.55	22.69	23.68	28.85	26.28	37.76	40.45
Russell and Rao	69.23	84.62	87.69	47.70	60.34	65.52	40.29	52.72	58.44	45.59	61.34	67.95	45.11	63.68	71.39
Simple matching	24.62	43.08	55.38	25.29	32.18	35.63	12.05	14.36	15.46	22.58	23.57	28.85	26.10	37.67	40.45
Sokal and Sneath	24.62	43.08	53.85	24.71	29.31	35.63	12.00	14.34	15.29	22.25	23.24	28.30	25.83	37.58	40.27
Sokal and Sneath 2	67.69	81.54	89.23	47.70	59.77	63.79	45.56	56.32	61.55	58.04	69.05	74.67	54.98	69.24	74.53
Sokal and Sneath 4	67.69	81.54	90.77	45.40	58.05	62.64	33.78	45.52	52.29	51.98	63.66	70.37	51.57	64.66	69.87
Sokal binary distance	27.69	46.15	55.38	25.29	34.48	40.23	13.86	16.46	17.63	25.33	26.87	31.94	28.07	40.81	43.05
Sorenson	64.62	80.00	87.69	45.98	58.62	63.22	40.86	52.17	57.71	54.63	64.87	71.37	50.94	65.65	71.30
Yule	53.85	73.85	80.00	33.91	45.40	50.00	13.14	17.44	22.30	30.73	37.78	44.60	22.96	28.43	31.39
PTMC	55.39	63.43	77.11	46.22	59.22	76.35	76.64	87.91	100.00	65.73	73.79	82.91	94.38	92.57	100.00

Move Method															
Coefficient	JPF			JRat			JRE			JREFactory			JRuby		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	20.00	29.17	35.83	36.05	41.28	47.67	20.76	27.44	30.49	18.72	22.35	25.68	9.18	12.47	14.39
Dot-product	34.58	49.17	60.00	40.70	55.23	62.79	35.99	44.25	49.42	27.46	34.85	40.02	21.85	28.56	32.49
Hamann	22.08	30.00	32.50	28.49	31.98	38.95	25.42	29.69	31.17	20.32	24.63	28.08	12.42	15.76	18.41
Jaccard	37.08	53.75	62.92	44.19	56.98	67.44	39.59	48.78	53.95	31.22	38.73	44.70	25.19	32.33	36.74
Kulczynski	31.25	46.67	56.67	35.47	44.77	58.14	28.37	36.09	41.23	24.20	29.99	34.73	14.82	20.31	26.09
Ochiai	34.58	47.50	59.17	38.95	54.65	61.63	34.19	41.45	46.53	26.54	32.82	38.49	20.47	26.65	31.12
Phi	33.75	47.50	57.92	37.79	52.91	59.88	34.16	41.29	46.43	26.54	32.76	38.30	20.48	26.61	31.10
PSC	42.08	59.58	68.75	44.77	62.21	71.51	40.07	49.45	55.98	31.90	40.15	46.92	25.20	32.49	37.80
Relative Matching	27.92	40.42	50.42	37.21	49.42	54.07	30.43	40.58	44.83	23.03	28.63	32.39	20.10	25.32	28.46
Rogers and Tanimoto	22.08	30.83	33.33	28.49	32.56	40.12	25.61	30.04	31.59	20.44	24.94	28.51	12.62	15.87	18.58
Russell and Rao	37.92	51.67	62.50	45.93	58.14	65.12	38.53	48.04	53.66	29.25	37.68	42.36	24.93	31.77	35.64
Simple matching	21.67	30.42	32.92	28.49	31.98	40.12	25.35	29.66	31.23	20.32	24.69	28.33	12.50	15.72	18.45
Sokal and Sneath	21.25	30.00	32.50	28.49	30.81	37.79	24.26	28.60	30.04	19.83	23.52	27.09	12.13	15.40	18.16
Sokal and Sneath 2	42.92	57.50	66.25	44.19	61.05	69.77	43.89	53.15	58.64	33.68	42.92	48.03	28.73	36.37	40.92
Sokal and Sneath 4	30.42	46.67	55.42	34.88	43.60	56.98	27.83	35.54	40.78	24.26	30.11	34.61	14.69	20.27	26.09
Sokal binary distance	22.92	31.25	33.75	31.40	37.79	44.19	29.50	34.06	36.66	22.48	28.45	31.65	15.62	20.73	23.48
Sorenson	34.58	49.17	60.00	40.70	55.23	62.79	35.99	44.25	49.42	27.46	34.85	40.02	21.85	28.56	32.49
Yule	15.42	24.17	28.75	22.09	29.07	38.95	9.45	19.54	22.33	8.31	11.58	15.33	3.11	5.05	7.35
PTMM	62.92	69.71	75.35	57.78	68.26	71.36	55.16	62.85	67.53	49.75	56.26	58.57	55.17	65.07	67.32

Extact Method															
Coefficient	JPF			JRat			JRE			JREFactory			JRuby		
	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits
Baroni-Urbani and Buser	53.58			43.24			61.14			63.32			66.68		
Dot-product	63.74			62.16			67.29			67.41			78.99		
Hamann	1.15			5.41			12.36			15.30			15.62		
Jaccard	67.90			64.86			70.34			70.78			80.98		
Kulczynski	79.91			67.57			75.82			78.36			85.50		
Ochiai	69.75			70.27			71.14			72.23			82.39		
Phi	67.90			67.57			71.11			72.03			82.35		
PSC	76.91			72.97			74.85			74.27			83.83		
Relative Matching	80.37			75.68			79.09			80.01			90.10		
Rogers and Tanimoto	1.62			5.41			12.40			15.44			15.64		
Russell and Rao	88.68			86.49			85.15			85.29			93.18		
Simple matching	1.15			5.41			12.37			15.37			15.59		
Sokal and Sneath	1.15			5.41			12.31			15.37			15.59		
Sokal and Sneath 2	77.14			72.97			73.28			73.55			83.17		
Sokal and Sneath 4	76.44			62.16			75.78			77.77			85.36		
Sokal binary distance	6.70			2.70			20.08			19.85			22.53		
Sorenson	63.74			62.16			67.29			67.41			78.99		
Yule	65.59			51.35			63.10			70.98			66.38		
PTM	89.53			86.52			85.27			86.51			93.34		

Move Class															
Coefficient	jsXe			JSPWiki			JTOpen			Jung			Log4j		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	52.21	68.14	72.57	28.47	42.71	55.93	17.79	31.00	36.07	47.42	54.84	65.16	32.20	43.64	51.27
Dot-product	58.41	77.88	83.19	46.78	61.36	69.49	31.57	43.50	52.64	56.77	69.35	74.52	44.07	59.75	66.95
Hamann	42.48	46.02	50.44	23.39	29.83	38.31	1.21	17.57	28.07	38.71	45.16	48.39	22.46	27.54	30.51
Jaccard	60.18	77.88	84.07	50.51	62.71	69.83	33.07	48.71	55.79	58.06	70.32	75.48	48.73	61.44	68.22
Kulczynski	57.52	76.99	79.65	47.80	65.42	72.88	27.79	39.86	49.36	58.06	70.65	75.16	42.80	61.02	67.80
Ochiai	60.18	76.99	81.42	49.15	63.05	72.20	30.36	41.86	49.86	57.74	68.71	75.48	44.07	59.32	68.64
Phi	58.41	76.99	80.53	48.81	63.39	72.20	30.71	42.64	51.14	57.74	69.35	75.48	44.07	60.17	68.64
PSC	64.60	79.65	83.19	54.92	67.12	74.92	39.21	53.00	66.79	62.90	73.23	78.71	56.78	70.34	76.27
Relative Matching	56.64	76.99	80.53	29.15	40.34	49.83	13.14	30.00	42.36	48.06	62.58	69.68	33.47	46.19	58.90
Rogers and Tanimoto	42.48	46.02	50.44	23.39	29.83	38.64	1.21	17.64	28.50	38.71	45.16	48.39	22.88	27.97	31.78
Russell and Rao	63.72	81.42	92.92	37.29	53.22	61.69	22.14	41.71	48.71	52.90	67.74	72.90	44.49	54.24	67.37
Simple matching	42.48	46.02	50.44	23.05	29.49	38.31	1.21	17.57	28.07	38.71	44.84	48.39	22.88	27.54	31.36
Sokal and Sneath	41.59	46.02	50.44	22.37	28.81	37.63	1.21	17.57	27.29	38.39	44.52	48.39	22.03	26.69	30.08
Sokal and Sneath 2	60.18	78.76	84.07	52.54	63.73	70.51	34.93	51.07	59.29	60.00	70.65	76.77	51.69	63.98	69.07
Sokal and Sneath 4	57.52	76.11	78.76	49.15	66.10	72.54	28.07	40.64	49.93	57.74	70.32	75.81	42.37	61.02	67.37
Sokal binary distance	43.36	48.67	50.44	25.42	31.86	40.68	5.43	19.07	45.79	39.68	46.45	51.29	24.15	33.05	36.44
Sorenson	58.41	77.88	83.19	46.78	61.36	69.49	31.57	43.50	52.64	56.77	69.35	74.52	44.07	59.75	66.95
Yule	43.36	64.60	69.91	17.29	23.39	27.80	11.29	21.14	33.57	38.39	49.35	57.74	16.10	24.58	30.08
PTMC	69.95	73.83	78.65	61.80	68.49	72.68	55.46	59.97	72.21	68.19	75.13	83.62	61.14	65.32	72.61

Move Method															
Coefficient	jsXe			JSPWiki			JTOpen			Jung			Log4j		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	14.18	24.47	35.11	10.61	15.13	16.69	12.49	17.64	21.21	19.05	27.69	33.33	12.11	20.00	26.76
Dot-product	32.62	47.87	56.38	23.20	29.84	34.37	25.96	33.99	40.17	25.94	38.47	45.24	26.76	42.82	49.58
Hamann	20.21	28.37	30.14	11.17	14.99	19.09	20.09	26.74	30.90	20.55	35.59	41.10	11.83	22.25	29.58
Jaccard	37.94	52.13	61.35	26.73	34.65	39.60	30.63	38.19	44.47	30.45	42.23	50.38	31.27	47.04	53.24
Kulczynski	30.14	49.65	59.22	17.54	26.17	31.82	20.61	28.23	34.70	23.93	34.71	42.11	20.28	38.03	47.89
Ochiai	32.62	48.58	58.87	22.91	29.56	33.80	24.41	33.35	38.77	25.94	36.59	45.61	24.79	41.69	50.70
Phi	32.27	48.58	58.51	22.91	29.56	33.66	24.39	33.35	38.54	26.19	36.72	46.12	24.51	41.69	50.70
PSC	41.84	59.93	70.92	28.43	37.91	44.84	31.12	39.51	46.04	32.83	46.37	53.63	33.80	51.55	59.44
Relative Matching	23.05	32.27	36.88	15.28	20.51	23.62	21.73	28.40	32.53	12.53	18.92	21.05	19.44	32.96	37.46
Rogers and Tanimoto	20.21	28.37	30.50	11.32	15.13	19.38	20.22	26.87	31.06	20.68	35.71	41.48	12.11	22.54	30.70
Russell and Rao	33.33	49.65	56.03	22.91	31.97	35.79	28.09	35.42	40.81	17.79	24.44	28.32	30.70	47.04	52.39
Simple matching	19.86	28.01	30.14	11.32	14.99	18.95	20.20	26.89	30.86	20.55	35.46	41.10	11.83	22.54	30.14
Sokal and Sneath	19.50	26.60	29.08	10.61	14.43	18.39	19.95	26.48	30.46	20.05	34.59	39.47	11.27	21.41	27.89
Sokal and Sneath 2	43.97	56.74	65.60	29.84	37.62	43.42	33.58	42.40	48.45	34.09	46.37	53.13	34.08	48.73	56.06
Sokal and Sneath 4	30.14	49.65	59.22	17.54	26.17	31.82	20.59	28.23	34.66	23.93	34.84	42.48	20.28	38.03	47.89
Sokal binary distance	23.05	31.91	33.69	14.43	19.52	24.05	24.53	31.60	36.47	24.31	38.97	45.61	13.52	25.07	32.96
Sorenson	32.62	47.87	56.38	23.20	29.84	34.37	25.96	33.99	40.17	25.94	38.47	45.24	26.76	42.82	49.58
Yule	9.22	18.44	24.82	6.93	10.18	12.45	3.86	8.92	12.04	6.52	20.05	28.45	8.45	15.77	22.25
PTMM	61.39	71.94	74.72	41.86	48.19	52.96	51.08	58.24	63.04	42.27	48.75	52.91	48.51	58.97	64.66

Extact Method															
Coefficient	jsXe			JSPWiki			JTOpen			Jung			Log4j		
	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits
Baroni-Urbani and Buser		63.20			57.35			61.82			60.09			48.83	
Dot-product		69.98			66.31			74.46			58.70			67.01	
Hamann		6.54			4.54			17.45			7.89			4.68	
Jaccard		71.36			68.34			80.52			61.81			69.09	
Kulczynski		79.18			75.39			85.05			69.61			78.18	
Ochiai		72.64			69.89			78.42			63.57			69.87	
Phi		72.40			69.89			78.44			63.11			69.87	
PSC		77.72			72.16			84.32			61.02			69.61	
Relative Matching		81.36			82.92			82.51			70.77			82.08	
Rogers and Tanimoto		7.75			4.54			17.55			8.35			4.68	
Russell and Rao		86.92			88.17			87.26			73.09			85.19	
Simple matching		6.54			4.54			17.49			7.89			4.42	
Sokal and Sneath		6.54			3.70			17.29			7.89			4.16	
Sokal and Sneath 2		76.76			72.16			85.25			64.04			70.39	
Sokal and Sneath 4		77.72			75.15			84.95			69.61			77.14	
Sokal binary distance		11.86			6.93			25.23			15.31			21.56	
Sorenson		69.98			66.31			74.46			58.70			67.01	
Yule		66.59			61.05			63.82			61.72			57.66	
PTM		86.94			88.30			87.63			73.20			85.59	

Move Class															
Coefficient	Lucene			Marauroa			Maven			MegaMek			MVNForum		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	19.86	25.61	29.73	65.67	70.15	71.64	76.92	77.69	78.89	33.76	73.80	76.60	38.55	48.30	53.29
Dot-product	28.80	38.97	44.19	68.66	76.87	81.34	79.03	81.00	82.76	38.64	82.49	86.83	47.62	59.18	66.21
Hamann	10.69	15.74	19.98	56.72	70.90	76.87	76.92	77.55	78.18	24.00	31.28	47.99	25.85	31.07	33.11
Jaccard	30.60	41.52	46.86	70.90	78.36	82.84	79.52	81.84	83.81	43.05	84.16	88.17	48.98	61.90	68.71
Kulczynski	28.63	39.84	44.48	68.66	77.61	84.33	79.31	81.35	83.39	38.44	76.47	85.43	43.54	58.28	65.08
Ochiai	29.67	40.19	45.18	69.40	79.10	82.84	79.45	81.21	82.97	38.97	82.95	85.63	46.26	59.18	65.99
Phi	29.62	40.48	45.35	71.64	79.85	84.33	79.45	81.21	82.83	39.24	82.95	85.63	46.49	58.96	66.21
PSC	35.37	46.75	52.56	72.39	82.84	85.82	81.70	83.88	86.00	59.56	89.57	92.45	52.15	65.76	72.11
Relative Matching	18.23	25.03	30.84	52.24	67.91	70.15	76.99	78.61	80.37	35.70	42.78	60.83	34.47	47.85	54.20
Rogers and Tanimoto	10.69	15.91	19.98	56.72	70.90	76.87	76.92	77.55	78.18	24.33	31.42	47.93	26.53	31.07	33.11
Russell and Rao	20.96	29.27	35.25	54.48	75.37	77.61	78.68	81.07	83.67	37.90	45.19	77.27	37.64	51.47	60.09
Simple matching	10.69	15.51	19.86	56.72	70.90	76.87	76.92	77.55	78.18	24.33	31.35	47.99	26.08	30.84	33.11
Sokal and Sneath	10.22	14.81	19.74	55.97	70.90	76.87	76.85	77.48	78.11	23.93	31.15	47.93	25.85	30.84	32.88
Sokal and Sneath 2	32.17	42.92	48.90	71.64	78.36	82.84	80.30	82.27	84.38	45.92	85.90	90.24	50.57	64.17	69.16
Sokal and Sneath 4	28.69	39.95	44.54	68.66	77.61	85.82	79.31	81.35	83.32	38.50	76.74	85.09	43.54	59.64	64.85
Sokal binary distance	11.67	18.35	21.78	59.70	71.64	78.36	77.27	77.90	78.61	25.33	44.65	52.67	28.80	34.47	36.51
Sorenson	28.80	38.97	44.19	68.66	76.87	81.34	79.03	81.00	82.76	38.64	82.49	86.83	47.62	59.18	66.21
Yule	16.20	20.67	24.22	63.43	70.90	73.88	76.71	77.62	78.11	26.14	30.75	52.67	27.89	36.96	42.18
PTMC	40.10	44.70	53.56	74.94	80.14	92.17	86.73	83.82	89.28	75.81	89.56	96.27	53.69	63.52	74.83

Move Method															
Coefficient	Lucene			Marauroa			Maven			MegaMek			MVNForum		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	10.05	13.59	15.56	19.83	30.03	33.43	26.81	31.12	33.84	18.82	21.74	22.70	15.91	23.57	29.16
Dot-product	20.08	26.68	30.92	29.46	45.33	50.42	43.88	51.20	58.23	27.02	31.29	34.59	26.10	37.21	43.96
Hamann	13.40	17.38	20.19	26.91	36.26	42.21	29.72	40.76	45.48	20.25	21.13	22.54	21.56	29.42	36.04
Jaccard	23.34	30.78	36.25	34.56	49.58	56.09	46.39	54.62	61.85	29.42	33.24	36.87	29.81	40.39	47.60
Kulczynski	13.90	18.53	21.96	29.18	42.78	50.42	34.84	44.38	50.80	24.30	28.48	31.73	22.73	33.83	40.84
Ochiai	18.25	24.15	28.17	30.59	43.91	52.12	42.07	50.20	56.22	26.94	30.16	33.74	24.55	36.69	43.44
Phi	18.20	24.15	28.08	30.59	43.34	52.12	42.07	50.20	56.12	26.91	30.16	33.79	24.48	36.56	43.31
PSC	23.98	31.65	37.24	33.99	50.42	61.19	45.98	55.72	62.55	30.05	36.16	40.07	30.39	42.08	49.29
Relative Matching	15.70	20.81	24.32	23.23	32.29	38.24	29.42	43.17	49.20	19.29	25.81	27.77	16.36	25.65	30.65
Rogers and Tanimoto	13.73	17.94	20.64	26.91	36.26	42.21	30.22	41.16	45.88	20.36	21.27	22.76	21.88	29.81	36.17
Russell and Rao	22.91	29.91	34.60	28.33	40.79	49.86	34.14	49.30	57.13	23.56	30.38	33.19	22.14	30.52	37.73
Simple matching	13.37	17.52	20.08	26.35	36.26	41.64	30.22	40.96	45.88	20.25	21.19	22.62	21.75	29.35	35.84
Sokal and Sneath	12.66	16.60	19.18	26.06	35.98	41.64	29.02	39.86	44.98	20.03	21.00	22.21	21.30	28.70	35.65
Sokal and Sneath 2	26.79	34.40	40.44	36.54	51.84	60.91	48.49	56.83	62.75	30.93	35.61	39.46	32.34	44.94	50.58
Sokal and Sneath 4	13.87	18.45	21.71	29.18	42.78	50.42	34.84	44.38	50.70	24.35	28.48	31.73	22.73	33.83	40.84
Sokal binary distance	16.29	20.33	23.42	31.16	38.53	43.34	34.14	43.07	46.39	23.67	25.43	27.02	25.84	34.29	39.68
Sorenson	20.08	26.68	30.92	29.46	45.33	50.42	43.88	51.20	58.23	27.02	31.29	34.59	26.10	37.21	43.96
Yule	4.86	6.82	8.03	11.05	18.98	23.51	13.55	22.19	26.51	3.25	19.79	21.49	7.99	15.06	19.55
PTMM	46.34	49.48	54.21	44.42	57.97	64.32	51.52	63.43	67.40	47.68	53.91	54.92	37.43	46.58	51.35

Extact Method						
Coefficient	Lucene	Marauroa	Maven	MegaMek	MVNForum	
	Hits	Hits	Hits	Hits	Hits	
Baroni-Urbani and Buser	79.08	65.55	67.42	70.94	84.21	
Dot-product	83.16	68.42	73.41	77.50	95.26	
Hamann	14.90	15.79	11.43	13.26	58.60	
Jaccard	84.21	74.16	74.32	79.41	95.46	
Kulczynski	89.94	77.51	80.13	83.68	96.27	
Ochiai	86.41	73.21	75.41	80.42	96.00	
Phi	86.41	72.73	74.77	80.16	95.87	
PSC	87.46	77.03	78.49	82.47	96.14	
Relative Matching	90.64	84.69	88.11	87.05	97.15	
Rogers and Tanimoto	14.84	15.79	10.89	13.40	58.67	
Russell and Rao	93.16	91.39	92.38	90.38	98.04	
Simple matching	14.84	15.79	11.43	13.23	58.60	
Sokal and Sneath	14.58	15.79	11.16	13.15	58.60	
Sokal and Sneath 2	85.90	75.12	75.05	81.88	95.80	
Sokal and Sneath 4	89.91	77.03	79.58	83.54	96.27	
Sokal binary distance	23.46	20.10	12.89	22.82	63.62	
Sorenson	83.16	68.42	73.41	77.50	95.26	
Yule	81.47	72.25	68.87	74.08	81.98	
PTM	93.60	92.84	92.43	90.38	98.25	

Move Class															
Coefficient	MyFaces_Core			NakedObjects			NekoHTML			NetBeans			OpenJMS		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	23.76	34.23	42.82	20.20	29.88	36.49	60.87	65.22	86.96	45.07	63.94	75.64	32.36	45.19	56.27
Dot-product	39.27	54.49	62.68	35.96	47.82	54.35	52.17	65.22	82.61	52.84	71.57	81.48	48.40	71.43	80.47
Hamann	17.92	23.53	27.07	16.29	20.65	21.85	21.74	34.78	65.22	25.00	40.83	52.29	18.08	22.45	30.61
Jaccard	42.01	57.93	64.97	38.96	51.50	57.58	52.17	65.22	86.96	54.55	72.72	82.21	51.60	71.72	81.34
Kulczynski	39.55	53.23	62.05	29.73	44.89	52.33	43.48	65.22	86.96	52.94	72.13	82.22	51.90	70.85	79.88
Ochiai	39.84	54.32	63.54	36.26	48.72	55.41	47.83	65.22	86.96	53.55	72.21	81.95	51.90	71.72	81.34
Phi	39.78	54.26	63.54	36.19	48.65	55.48	43.48	65.22	82.61	53.03	71.83	81.93	51.60	71.72	81.05
PSC	47.45	62.05	69.15	42.49	56.38	62.24	43.48	65.22	82.61	58.30	75.56	84.64	55.98	74.93	83.09
Relative Matching	32.74	44.13	51.80	18.62	31.61	41.37	47.83	65.22	82.61	46.45	66.54	77.41	42.57	64.14	74.34
Rogers and Tanimoto	18.20	23.64	27.25	16.52	20.80	21.92	21.74	34.78	65.22	25.56	41.38	52.83	18.08	22.74	31.49
Russell and Rao	38.52	51.80	59.70	23.87	38.81	48.27	47.83	65.22	73.91	51.63	71.14	81.03	49.56	68.51	81.05
Simple matching	17.92	23.30	26.96	16.44	20.72	21.85	21.74	34.78	65.22	25.19	40.92	52.34	18.08	22.45	30.61
Sokal and Sneath	17.57	23.13	26.90	15.77	20.20	21.17	17.39	34.78	65.22	24.78	40.48	52.00	17.78	22.45	30.03
Sokal and Sneath 2	45.33	59.76	65.83	41.59	52.85	58.78	52.17	65.22	86.96	55.55	73.23	82.75	53.35	73.18	81.63
Sokal and Sneath 4	39.55	52.95	61.76	29.65	43.02	52.40	43.48	65.22	82.61	52.92	71.57	82.00	51.90	70.55	79.59
Sokal binary distance	20.78	26.56	30.62	18.39	22.67	24.92	26.09	39.13	69.57	27.41	43.25	54.73	20.12	26.82	34.40
Sorenson	39.27	54.49	62.68	35.96	47.82	54.35	52.17	65.22	82.61	52.84	71.57	81.48	48.40	71.43	80.47
Yule	16.03	24.67	29.71	10.14	16.22	26.58	56.52	65.22	86.96	38.82	58.38	71.28	27.11	36.15	43.73
PTMC	58.06	61.82	70.52	49.65	56.13	63.37	44.76	61.07	75.26	60.06	72.81	84.17	60.24	73.50	84.34

Move Method															
Coefficient	MyFaces_Core			NakedObjects			NekoHTML			NetBeans			OpenJMS		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	22.97	25.82	28.21	12.66	16.61	20.45	20.10	39.69	52.58	24.62	38.38	48.15	16.83	25.56	33.12
Dot-product	33.15	38.63	42.51	24.25	35.20	41.04	42.78	64.95	75.77	38.21	53.59	62.70	34.61	46.75	56.66
Hamann	26.21	29.72	32.12	14.79	20.19	23.99	26.29	47.42	56.19	19.09	26.80	31.61	21.51	32.48	39.72
Jaccard	35.89	41.61	46.96	29.35	39.66	45.62	52.06	70.10	77.84	41.58	56.55	65.22	38.34	52.82	60.92
Kulczynski	27.40	32.62	35.98	16.16	23.91	30.47	34.02	65.98	74.23	34.35	50.71	60.76	23.75	39.30	50.69
Ochiai	31.34	36.61	40.32	20.19	29.98	35.94	39.18	65.98	73.71	37.10	52.78	62.15	31.95	44.52	55.27
Phi	31.34	36.54	40.23	20.19	29.91	35.90	39.18	65.46	74.23	37.13	52.79	62.11	30.88	44.41	55.06
PSC	36.71	42.58	47.84	27.75	38.92	44.62	54.12	71.13	79.90	44.37	59.93	68.58	38.55	54.85	62.51
Relative Matching	28.97	34.62	38.07	21.60	30.91	35.83	31.44	54.64	70.10	30.53	45.03	54.38	29.39	43.56	50.37
Rogers and Tanimoto	26.57	30.05	32.31	15.08	20.48	24.32	25.77	50.00	57.22	19.36	27.10	31.91	21.83	32.59	39.83
Russell and Rao	33.89	40.81	45.08	29.09	41.82	47.08	51.55	61.86	77.84	38.67	53.58	62.42	38.45	55.17	62.51
Simple matching	26.34	29.85	32.10	15.01	20.26	24.13	26.29	48.45	56.19	19.09	26.80	31.59	21.62	32.37	40.04
Sokal and Sneath	25.78	29.27	31.45	13.85	19.52	23.09	25.77	46.39	56.19	18.52	26.16	30.92	20.98	31.63	39.62
Sokal and Sneath 2	40.10	45.92	51.06	32.44	43.31	49.50	56.70	70.62	79.38	44.33	58.86	67.00	41.96	55.38	64.22
Sokal and Sneath 4	27.37	32.61	35.92	16.16	23.91	30.39	34.02	65.98	74.23	34.34	50.68	60.74	23.86	38.98	50.37
Sokal binary distance	28.41	32.46	34.92	17.58	22.50	26.74	35.57	54.64	61.86	22.71	30.91	35.79	26.30	36.85	42.60
Sorenson	33.15	38.63	42.51	24.25	35.20	41.04	42.78	64.95	75.77	38.21	53.59	62.70	34.61	46.75	56.66
Yule	7.49	11.45	14.24	7.71	11.36	15.61	14.95	29.90	37.63	19.73	32.92	42.51	7.14	13.31	21.62
PTMM	58.29	63.99	66.75	47.91	59.60	62.41	81.23	90.32	89.39	58.13	65.59	71.50	57.22	67.79	72.97

Exact Method															
Coefficient	MyFaces_Core			NakedObjects			NekoHTML			NetBeans			OpenJMS		
	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits
Baroni-Urbani and Buser	71.19			55.80			62.88			66.21			77.71		
Dot-product	80.26			63.08			75.55			72.09			79.82		
Hamann	9.37			8.02			13.97			7.03			12.35		
Jaccard	81.94			65.72			82.97			74.41			79.52		
Kulczynski	85.20			74.26			85.15			79.81			86.14		
Ochiai	82.41			67.93			82.10			75.60			84.04		
Phi	82.32			67.93			81.66			74.81			84.04		
PSC	84.90			71.84			88.21			77.91			82.53		
Relative Matching	88.64			80.59			82.97			83.69			90.66		
Rogers and Tanimoto	9.44			7.91			16.59			7.39			12.35		
Russell and Rao	92.05			90.19			91.27			88.39			96.69		
Simple matching	9.37			8.33			13.97			7.03			11.45		
Sokal and Sneath	9.35			8.02			11.79			6.89			10.54		
Sokal and Sneath 2	83.77			71.31			86.46			77.13			81.33		
Sokal and Sneath 4	84.99			73.95			84.72			78.29			86.14		
Sokal binary distance	16.52			11.08			27.51			12.72			16.57		
Sorenson	80.26			63.08			75.55			72.09			79.82		
Yule	72.42			62.66			66.38			70.71			76.81		
PTM	92.39			90.09			91.39			89.21			97.31		

Move Class															
Coefficient	OSCache			PicoContainer			PMD			POI			Pooka		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	51.28	74.36	84.62	32.74	49.56	69.03	46.99	53.90	59.47	20.11	29.41	36.88	35.06	47.62	55.41
Dot-product	61.54	76.92	79.49	41.59	70.80	83.19	52.78	63.25	67.93	38.31	48.95	58.91	47.19	64.94	76.19
Hamann	28.21	33.33	56.41	33.63	41.59	47.79	17.15	42.76	46.77	16.67	19.64	21.93	11.69	15.58	16.45
Jaccard	61.54	76.92	79.49	45.13	75.22	83.19	53.90	65.48	69.71	40.04	52.39	61.11	49.78	67.97	78.79
Kulczynski	61.54	76.92	84.62	44.25	67.26	80.53	55.23	63.03	69.27	33.91	47.80	57.76	41.99	59.31	69.70
Ochiai	64.10	74.36	82.05	43.36	69.91	83.19	54.34	63.03	68.82	37.55	49.81	59.39	46.75	64.94	72.73
Phi	64.10	74.36	82.05	43.36	69.91	82.30	54.34	63.03	68.37	37.45	49.90	59.48	46.32	61.90	71.43
PSC	66.67	74.36	87.18	53.10	77.88	88.50	59.24	69.71	76.39	46.93	59.48	66.38	55.84	73.16	82.68
Relative Matching	53.85	66.67	84.62	29.20	44.25	74.34	47.22	56.79	62.58	28.35	41.09	57.28	47.62	64.50	71.43
Rogers and Tanimoto	28.21	35.90	56.41	34.51	41.59	47.79	18.26	43.65	47.22	16.67	19.73	22.03	11.69	15.58	16.45
Russell and Rao	56.41	66.67	76.92	33.63	55.75	75.22	51.22	62.14	69.71	35.25	47.80	63.89	54.55	74.03	82.25
Simple matching	28.21	33.33	56.41	33.63	41.59	47.79	17.15	42.54	46.55	16.67	19.64	21.93	11.69	15.58	16.45
Sokal and Sneath	28.21	33.33	56.41	33.63	41.59	47.79	16.70	40.76	44.54	16.28	19.25	21.55	10.39	15.58	16.45
Sokal and Sneath 2	64.10	76.92	79.49	52.21	76.11	84.96	56.12	66.37	70.60	42.53	54.79	62.84	51.95	69.70	80.95
Sokal and Sneath 4	61.54	76.92	82.05	43.36	69.91	80.53	55.46	63.03	69.27	33.91	47.89	57.76	40.69	58.01	67.53
Sokal binary distance	25.64	41.03	58.97	36.28	45.13	53.98	39.87	45.43	47.88	18.49	21.55	22.99	12.12	17.32	17.75
Sorenson	61.54	76.92	79.49	41.59	70.80	83.19	52.78	63.25	67.93	38.31	48.95	58.91	47.19	64.94	76.19
Yule	48.72	66.67	89.74	19.47	36.28	47.79	29.84	46.10	52.12	9.39	20.21	29.50	27.27	38.10	42.86
PTMC	69.95	74.60	79.45	62.84	73.59	86.13	63.04	69.87	77.45	53.82	59.42	74.75	62.20	72.71	81.17

Move Method															
Coefficient	OSCache			PicoContainer			PMD			POI			Pooka		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	32.67	44.55	57.43	16.91	26.71	29.97	35.66	42.47	46.43	21.85	28.68	35.37	35.66	25.73	32.02
Dot-product	51.49	65.35	74.26	27.89	37.98	45.10	43.58	50.55	55.31	38.61	47.92	53.88	43.58	43.92	53.23
Hamann	42.57	47.52	53.47	24.04	29.67	36.80	34.39	39.46	43.26	25.63	33.04	36.00	34.39	21.54	25.48
Jaccard	56.44	68.32	79.21	32.94	42.43	48.37	46.12	52.93	58.16	41.47	51.65	56.78	46.12	47.28	55.41
Kulczynski	47.52	60.40	74.26	27.30	34.42	41.54	36.13	45.01	51.51	31.83	42.44	48.11	36.13	38.73	48.70
Ochiai	46.53	60.40	73.27	26.41	37.39	43.32	40.89	48.97	54.20	36.00	46.56	51.94	40.89	44.26	53.14
Phi	46.53	60.40	73.27	26.71	36.80	43.03	40.89	48.97	53.88	36.00	46.56	51.94	40.89	43.84	53.06
PSC	59.41	75.25	83.17	34.12	41.25	49.55	47.23	54.99	60.70	41.81	52.18	57.85	47.23	49.71	59.77
Relative Matching	40.59	49.50	60.40	19.29	28.49	31.16	40.10	47.70	51.19	27.52	38.76	44.67	40.10	32.94	41.32
Rogers and Tanimoto	42.57	48.51	55.45	24.04	29.38	36.80	34.55	39.62	43.58	26.11	33.58	36.48	34.55	22.05	25.57
Russell and Rao	49.50	56.44	70.30	24.63	34.72	40.06	45.48	54.36	58.16	34.25	47.04	52.96	45.48	45.26	53.73
Simple matching	41.58	47.52	53.47	24.04	29.67	36.50	34.23	39.46	43.26	25.73	33.14	36.09	34.23	21.79	25.40
Sokal and Sneath	41.58	48.51	54.46	23.74	29.08	35.61	33.44	38.51	42.31	25.05	32.36	35.17	33.44	20.62	24.06
Sokal and Sneath 2	58.42	74.26	83.17	35.91	45.40	53.12	46.91	56.26	61.33	43.85	54.02	58.58	46.91	50.29	58.42
Sokal and Sneath 4	47.52	60.40	75.25	27.60	34.12	40.95	35.97	45.01	51.35	31.73	42.20	47.97	35.97	38.47	48.53
Sokal binary distance	42.57	49.50	56.44	24.93	30.86	39.17	36.77	42.00	45.96	28.83	36.09	39.68	36.77	26.91	30.93
Sorenson	51.49	65.35	74.26	27.89	37.98	45.10	43.58	50.55	55.31	38.61	47.92	53.88	43.58	43.92	53.23
Yule	35.64	45.54	53.47	11.28	16.62	23.44	19.65	31.22	38.67	13.37	21.66	28.15	19.65	18.36	24.56
PTMM	65.32	74.84	84.86	51.74	59.58	61.60	58.99	63.11	66.51	53.20	59.80	63.68	56.17	57.35	63.93

Exact Method						
Coefficient	OSCache	PicoContainer	PMD	POI	Pooka	
	Hits	Hits	Hits	Hits	Hits	
Baroni-Urbani and Buser	52.69	47.15	61.53	59.95	57.90	
Dot-product	63.44	58.54	63.80	62.99	63.39	
Hamann	9.68	1.63	12.50	13.90	9.03	
Jaccard	62.37	64.23	68.34	64.73	66.51	
Kulczynski	75.27	65.04	78.41	70.11	74.25	
Ochiai	67.74	63.41	70.45	66.72	68.17	
Phi	66.67	60.98	69.64	66.72	67.90	
PSC	69.89	69.92	75.49	69.94	72.04	
Relative Matching	78.49	77.24	86.04	78.19	79.62	
Rogers and Tanimoto	9.68	1.63	12.50	13.90	9.14	
Russell and Rao	83.87	86.18	87.82	82.45	83.87	
Simple matching	9.68	1.63	12.50	13.90	8.98	
Sokal and Sneath	9.68	1.63	12.18	13.90	8.98	
Sokal and Sneath 2	65.59	65.85	70.13	69.24	70.38	
Sokal and Sneath 4	74.19	63.41	78.25	70.11	73.76	
Sokal binary distance	12.90	2.44	17.37	18.77	18.39	
Sorenson	63.44	58.54	63.80	62.99	63.39	
Yule	64.52	52.03	65.26	63.25	62.26	
PTM	86.11	86.40	88.49	82.60	84.53	

Move Class															
Coefficient	ProGuard			Quartz			QuickServer			Quilt			Roller		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	29.86	43.81	53.83	14.88	24.79	28.93	30.00	42.50	51.67	50.00	68.42	89.47	56.94	69.44	75.00
Dot-product	48.53	58.55	67.39	28.10	38.02	49.59	34.17	48.33	58.33	57.89	78.95	97.37	66.67	76.39	84.72
Hamann	24.56	34.18	37.13	17.36	26.45	35.54	5.83	34.17	40.83	50.00	50.00	52.63	34.72	45.83	65.28
Jaccard	50.29	60.71	68.17	33.88	46.28	52.07	38.33	48.33	59.17	60.53	81.58	97.37	70.83	79.17	84.72
Kulczynski	44.01	55.80	65.03	25.62	40.50	55.37	35.00	45.83	50.83	63.16	68.42	97.37	65.28	80.56	81.94
Ochiai	48.72	58.15	66.80	28.10	37.19	52.07	35.83	48.33	56.67	57.89	81.58	92.11	66.67	76.39	83.33
Phi	48.53	57.76	67.78	28.93	37.19	54.55	37.50	47.50	56.67	60.53	73.68	94.74	65.28	73.61	80.56
PSC	52.85	63.26	73.87	41.32	60.33	68.60	40.83	50.83	60.83	65.79	84.21	94.74	73.61	80.56	87.50
Relative Matching	31.04	41.26	55.01	13.22	28.93	41.32	30.00	44.17	50.00	55.26	81.58	100.00	52.78	69.44	75.00
Rogers and Tanimoto	24.75	34.18	37.13	17.36	26.45	38.84	5.83	33.33	40.00	50.00	50.00	52.63	37.50	45.83	66.67
Russell and Rao	32.61	44.79	57.56	19.01	42.98	53.72	33.33	45.00	51.67	68.42	97.37	100.00	55.56	75.00	84.72
Simple matching	24.56	34.18	37.13	17.36	26.45	35.54	5.83	34.17	40.83	50.00	50.00	52.63	33.33	45.83	66.67
Sokal and Sneath	24.36	33.79	36.94	17.36	26.45	34.71	5.83	34.17	40.83	50.00	50.00	52.63	31.94	41.67	63.89
Sokal and Sneath 2	51.67	62.87	71.51	33.88	52.07	56.20	38.33	46.67	57.50	63.16	81.58	97.37	70.83	80.56	84.72
Sokal and Sneath 4	46.95	56.58	66.40	27.27	38.84	55.37	34.17	45.00	51.67	60.53	68.42	94.74	65.28	77.78	80.56
Sokal binary distance	30.84	40.47	44.60	21.49	32.23	47.11	5.83	34.17	40.83	50.00	50.00	55.26	44.44	50.00	66.67
Sorenson	48.53	58.55	67.39	28.10	38.02	49.59	34.17	48.33	58.33	57.89	78.95	97.37	66.67	76.39	84.72
Yule	22.79	32.22	41.45	14.05	19.83	24.79	25.00	40.00	50.83	47.37	63.16	76.32	41.67	55.56	61.11
PTMC	57.38	63.55	75.68	49.21	61.59	70.22	48.27	48.02	57.04	82.96	92.34	100.00	79.97	80.77	85.32

Move Method															
Coefficient	ProGuard			Quartz			QuickServer			Quilt			Roller		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	14.06	18.22	22.22	28.94	39.84	45.53	20.18	25.08	29.36	21.98	38.46	48.35	36.23	50.72	59.42
Dot-product	28.82	35.70	40.86	43.58	67.48	75.45	33.64	40.98	49.85	34.07	50.55	52.75	44.93	62.32	68.12
Hamann	18.70	23.92	26.05	36.26	49.43	54.96	24.16	31.50	36.09	16.48	27.47	39.56	33.33	50.72	53.62
Jaccard	30.42	38.63	43.47	49.92	73.66	79.19	36.70	46.79	54.43	35.16	48.35	54.95	49.28	62.32	68.12
Kulczynski	24.08	32.39	36.92	35.12	60.33	67.80	34.25	43.73	49.54	26.37	41.76	53.85	39.13	57.97	62.32
Ochiai	27.38	34.84	39.37	42.11	64.23	72.85	32.72	40.67	49.54	31.87	45.05	53.85	43.48	60.87	66.67
Phi	27.33	34.84	39.48	42.11	64.39	72.52	33.03	41.90	49.85	30.77	45.05	53.85	43.48	60.87	66.67
PSC	30.63	38.68	42.25	49.92	74.80	80.98	37.00	51.07	59.63	38.46	47.25	56.04	50.72	62.32	71.01
Relative Matching	23.39	33.03	37.77	38.54	45.20	62.76	20.49	29.05	35.47	34.07	50.55	58.24	46.38	59.42	66.67
Rogers and Tanimoto	18.81	24.03	26.27	36.59	49.92	55.12	24.46	31.50	36.39	16.48	27.47	41.76	33.33	50.72	53.62
Russell and Rao	27.54	37.51	41.34	42.93	61.79	75.45	29.36	38.53	46.18	40.66	54.95	61.54	47.83	57.97	68.12
Simple matching	18.86	23.92	26.05	36.42	49.92	55.12	24.16	30.89	35.78	16.48	27.47	40.66	33.33	50.72	53.62
Sokal and Sneath	18.54	23.71	25.63	35.77	48.94	54.31	23.55	29.97	34.56	16.48	26.37	36.26	33.33	50.72	53.62
Sokal and Sneath 2	33.30	40.92	45.66	54.31	74.15	80.16	40.06	49.85	56.27	35.16	50.55	56.04	52.17	62.32	68.12
Sokal and Sneath 4	23.87	32.29	36.76	35.28	60.33	67.97	34.25	44.04	49.24	24.18	41.76	53.85	37.68	57.97	63.77
Sokal binary distance	21.20	24.77	26.96	39.51	56.59	63.74	27.52	37.31	43.43	16.48	31.87	42.86	39.13	56.52	57.97
Sorenson	28.82	35.70	40.86	43.58	67.48	75.45	33.64	40.98	49.85	34.07	50.55	52.75	44.93	62.32	68.12
Yule	8.47	11.19	15.56	18.54	21.46	23.90	13.15	20.80	24.46	15.38	27.47	48.35	24.64	44.93	56.52
PTMM	46.41	53.40	57.88	76.36	80.57	85.24	53.48	59.72	63.67	57.54	65.89	68.61	54.19	61.99	70.44

Exact Method						
Coefficient	ProGuard	Quartz	QuickServer	Quilt	Roller	
	Hits	Hits	Hits	Hits	Hits	
Baroni-Urbani and Buser	63.64	57.01	50.87	72.29	76.27	
Dot-product	79.32	71.34	65.09	86.75	74.58	
Hamann	22.28	13.73	5.21	12.05	16.95	
Jaccard	80.75	74.66	69.83	89.16	72.88	
Kulczynski	84.14	79.64	77.88	89.16	71.19	
Ochiai	80.57	76.17	69.98	86.75	74.58	
Phi	80.21	75.72	69.83	85.54	74.58	
PSC	84.31	81.60	76.30	90.36	69.49	
Relative Matching	84.31	82.35	82.46	89.16	91.53	
Rogers and Tanimoto	22.99	14.03	5.37	13.25	16.95	
Russell and Rao	88.24	87.93	90.36	92.77	91.53	
Simple matching	22.28	13.73	5.21	12.05	16.95	
Sokal and Sneath	22.28	13.73	5.21	12.05	16.95	
Sokal and Sneath 2	83.78	81.90	74.41	91.57	72.88	
Sokal and Sneath 4	83.78	79.49	76.78	87.95	71.19	
Sokal binary distance	32.62	18.40	10.58	18.07	23.73	
Sorenson	79.32	71.34	65.09	86.75	74.58	
Yule	65.06	52.34	59.56	81.93	79.66	
PTM	88.43	88.13	90.55	92.95	91.58	

Move Class															
Coefficient	RSSOwl			SableCC			SandMark			SpringFramework			Squirrel_SQL		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	41.03	48.65	57.17	89.73	96.58	98.63	27.93	36.12	39.80	35.13	48.43	59.12	64.10	94.87	100.00
Dot-product	53.36	66.59	76.01	89.73	96.58	98.63	40.97	52.68	56.52	48.66	65.91	75.15	71.79	94.87	100.00
Hamann	17.94	21.08	27.80	63.70	97.95	97.95	21.40	27.76	32.78	16.78	23.34	28.98	10.26	33.33	100.00
Jaccard	55.16	69.06	76.91	91.10	96.58	98.63	42.64	55.02	59.36	50.87	68.12	76.89	69.23	94.87	100.00
Kulczynski	46.86	60.99	70.18	80.14	95.89	99.32	39.80	49.67	53.34	48.72	64.81	74.22	69.23	92.31	100.00
Ochiai	52.02	64.35	74.44	84.93	96.58	100.00	41.30	50.17	57.02	49.13	65.39	74.74	71.79	94.87	100.00
Phi	52.24	64.35	74.44	91.78	96.58	98.63	41.64	50.33	57.69	48.84	65.33	74.56	66.67	94.87	100.00
PSC	60.09	73.09	79.60	91.78	96.58	99.32	50.33	62.54	69.90	56.91	73.46	81.77	69.23	94.87	100.00
Relative Matching	43.05	52.02	57.40	45.21	93.84	99.32	21.91	30.60	33.95	38.56	57.08	66.43	74.36	94.87	100.00
Rogers and Tanimoto	17.94	21.08	27.80	63.70	97.95	97.95	21.24	27.76	33.11	16.90	23.46	29.04	10.26	30.77	100.00
Russell and Rao	46.64	54.71	60.54	45.89	86.99	98.63	28.26	37.63	40.64	47.62	66.26	75.32	82.05	94.87	100.00
Simple matching	17.94	21.08	27.80	63.70	97.95	97.95	21.40	27.59	32.61	16.43	23.23	29.04	10.26	33.33	100.00
Sokal and Sneath	17.94	20.85	27.80	63.70	97.95	97.95	20.57	27.09	31.94	16.20	22.76	28.80	10.26	33.33	100.00
Sokal and Sneath 2	57.40	70.85	78.03	92.47	96.58	98.63	46.15	58.53	65.05	52.21	69.86	78.22	69.23	94.87	100.00
Sokal and Sneath 4	46.64	62.33	70.63	88.36	95.89	99.32	39.97	49.83	53.51	48.84	64.58	73.93	69.23	92.31	100.00
Sokal binary distance	20.40	22.65	28.03	63.01	97.26	97.26	28.60	32.78	40.64	18.00	24.68	30.66	12.82	41.03	100.00
Sorenson	53.36	66.59	76.01	89.73	96.58	98.63	40.97	52.68	56.52	48.66	65.91	75.15	71.79	94.87	100.00
Yule	34.08	43.50	48.43	79.45	93.15	98.63	20.40	25.25	26.92	28.11	42.97	52.50	71.79	94.87	100.00
PTMC	62.80	69.12	76.87	97.46	95.76	101.34	55.48	59.46	67.36	62.47	71.21	79.44	63.03	90.12	100.00

Move Method															
Coefficient	RSSOwl			SableCC			SandMark			SpringFramework			Squirrel_SQL		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	8.70	13.13	17.15	69.26	77.61	80.65	10.26	17.49	21.69	36.80	49.81	58.40	13.22	35.54	47.11
Dot-product	20.51	29.67	36.08	72.30	78.18	82.54	21.40	33.29	40.12	49.85	64.00	72.34	33.88	51.24	66.12
Hamann	8.85	12.67	15.17	46.49	52.94	55.98	12.36	19.24	23.62	36.59	46.36	52.22	5.79	13.22	15.70
Jaccard	22.90	32.52	39.49	72.11	79.13	83.68	26.65	37.96	44.49	52.41	66.43	74.51	35.54	53.72	67.77
Kulczynski	13.54	23.05	30.43	70.59	76.85	81.78	13.53	22.51	28.98	48.75	64.62	73.31	23.97	44.63	53.72
Ochiai	18.17	27.74	33.59	71.73	78.94	82.92	18.89	30.90	37.26	50.15	64.51	73.14	28.10	47.93	58.68
Phi	17.96	27.79	33.54	72.30	78.94	82.54	18.89	30.73	37.03	50.15	64.42	73.16	28.10	47.11	58.68
PSC	24.33	36.23	43.16	67.55	78.56	83.68	27.58	40.23	46.53	55.92	70.22	77.24	38.02	52.89	68.60
Relative Matching	17.05	24.48	29.72	64.71	75.14	79.13	14.58	23.27	28.92	43.44	56.43	64.91	22.31	43.80	55.37
Rogers and Tanimoto	9.01	12.88	15.32	46.30	52.75	55.98	12.36	19.30	23.44	36.95	46.91	52.96	5.79	13.22	16.53
Russell and Rao	24.99	34.10	40.51	64.52	74.00	79.70	21.57	32.07	38.48	49.85	63.90	72.08	30.58	57.85	68.60
Simple matching	8.85	12.57	15.17	46.30	52.94	55.98	12.13	19.24	23.62	36.59	46.55	52.50	5.79	12.40	16.53
Sokal and Sneath	8.55	12.11	14.50	46.11	52.75	55.60	11.55	18.08	22.86	35.30	45.20	51.08	5.79	10.74	15.70
Sokal and Sneath 2	24.83	35.11	42.24	72.11	79.70	84.44	31.02	42.27	47.93	55.44	68.95	76.02	38.02	56.20	70.25
Sokal and Sneath 4	13.49	23.10	30.38	70.97	77.61	81.59	13.59	22.62	29.04	48.67	64.57	73.20	23.97	44.63	54.55
Sokal binary distance	10.48	14.96	17.35	47.06	52.94	56.55	15.51	22.45	26.94	39.74	50.30	56.18	12.40	16.53	22.31
Sorenson	20.51	29.67	36.08	72.30	78.18	82.54	21.40	33.29	40.12	49.85	64.00	72.34	33.88	51.24	66.12
Yule	5.50	10.03	13.69	64.52	70.21	76.47	4.61	8.92	13.88	30.65	43.46	51.99	8.26	26.45	38.02
PTMM	41.68	50.25	52.95	70.98	79.67	79.85	45.43	53.51	57.54	64.18	72.93	79.80	59.65	74.17	81.07

Exact Method															
Coefficient	RSSOwl			SableCC			SandMark			SpringFramework			Squirrel_SQL		
	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits	Hits
Baroni-Urbani and Buser		70.34			55.46			62.29			65.09			64.81	
Dot-product		74.49			69.89			66.62			72.94			69.44	
Hamann		6.89			16.20			4.55			6.36			12.96	
Jaccard		75.73			73.06			68.70			75.20			62.96	
Kulczynski		80.52			76.41			74.95			80.05			73.15	
Ochiai		77.23			72.54			69.70			76.42			68.52	
Phi		76.72			72.36			69.44			76.01			68.52	
PSC		76.84			74.65			70.52			78.03			67.59	
Relative Matching		88.26			76.58			85.18			88.14			72.22	
Rogers and Tanimoto		7.04			16.73			4.51			6.60			12.96	
Russell and Rao		90.85			85.04			89.64			91.89			79.63	
Simple matching		6.92			16.20			4.42			6.44			12.96	
Sokal and Sneath		6.77			14.96			4.20			6.12			12.04	
Sokal and Sneath 2		77.27			76.06			70.65			77.09			65.74	
Sokal and Sneath 4		79.89			74.65			73.78			79.68			71.30	
Sokal binary distance		10.68			26.06			7.72			10.78			17.59	
Sorenson		74.49			69.89			66.62			72.94			69.44	
Yule		73.00			55.11			66.28			69.46			62.04	
PTM		91.21			86.04			89.76			92.34			79.73	

Move Class															
Coefficient	Struts			SunFlow			Tapestry			Trove			Velocity		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	25.60	36.25	40.34	62.30	70.49	73.77	9.38	16.62	21.58	66.67	94.44	100.00	58.44	69.48	74.68
Dot-product	40.54	51.79	57.17	68.03	76.23	79.51	17.83	28.69	35.92	83.33	94.44	100.00	77.27	87.66	89.61
Hamann	18.53	24.10	24.90	55.74	64.75	65.57	7.24	8.04	9.79	66.67	100.00	100.00	44.81	50.65	52.60
Jaccard	42.23	54.28	60.26	68.03	77.05	80.33	18.10	30.03	37.13	83.33	94.44	100.00	81.82	88.96	92.21
Kulczynski	38.65	49.80	55.18	60.66	72.13	76.23	16.62	24.93	30.70	88.89	94.44	100.00	78.57	85.06	88.31
Ochiai	40.14	52.19	57.97	66.39	76.23	79.51	17.43	26.81	33.65	83.33	94.44	100.00	77.92	87.66	90.26
Phi	40.14	52.09	58.07	66.39	74.59	78.69	17.16	26.68	33.51	88.89	94.44	100.00	77.92	87.66	90.26
PSC	47.01	59.26	63.84	53.03	63.69	67.79	8.99	21.60	30.17	73.89	85.00	85.00	71.36	76.56	77.86
Relative Matching	34.26	47.01	51.79	47.54	63.93	70.49	14.08	22.25	28.69	66.67	94.44	100.00	64.29	68.18	72.73
Rogers and Tanimoto	18.53	24.40	25.20	56.56	64.75	65.57	7.24	8.04	9.79	72.22	100.00	100.00	44.81	51.30	52.60
Russell and Rao	40.54	53.39	59.46	47.54	64.75	71.31	17.43	26.41	35.12	77.78	94.44	100.00	69.48	75.32	81.82
Simple matching	18.73	24.30	25.10	55.74	64.75	65.57	7.10	7.91	9.79	66.67	100.00	100.00	44.81	50.65	52.60
Sokal and Sneath	18.33	24.00	24.60	55.74	64.75	65.57	6.70	7.64	9.65	66.67	100.00	100.00	44.81	50.00	52.60
Sokal and Sneath 2	44.12	55.98	61.45	68.03	78.69	81.15	19.57	31.64	38.61	83.33	94.44	100.00	83.77	90.91	92.86
Sokal and Sneath 4	38.65	49.60	55.08	62.30	72.13	74.59	16.62	24.80	30.83	88.89	94.44	100.00	77.92	85.06	88.96
Sokal binary distance	23.51	26.39	27.49	58.20	67.21	69.67	8.45	9.25	10.86	77.78	94.44	100.00	51.30	54.55	57.14
Sorenson	40.54	51.79	57.17	68.03	76.23	79.51	17.83	28.69	35.92	83.33	94.44	100.00	77.27	87.66	89.61
Yule	17.43	24.10	31.87	52.46	68.03	68.85	7.37	10.46	16.49	83.33	94.44	100.00	40.91	54.55	59.09
PTMC	54.73	61.29	67.34	71.16	85.88	90.32	27.71	43.74	53.15	99.15	100.00	100.00	93.64	99.90	100.00

Move Method															
Coefficient	Struts			SunFlow			Tapestry			Trove			Velocity		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	16.16	22.10	25.19	16.87	30.86	39.92	11.28	17.06	21.84	57.69	75.64	87.18	8.70	13.13	17.15
Dot-product	34.44	44.49	49.23	32.10	42.80	49.79	23.92	33.66	38.81	71.79	78.21	94.87	20.51	29.67	36.08
Hamann	17.30	25.01	29.01	17.28	25.93	32.51	11.28	16.52	19.40	37.18	41.03	47.44	8.85	12.67	15.17
Jaccard	38.66	47.92	53.00	37.86	47.33	53.09	27.80	37.00	43.05	74.36	82.05	94.87	22.90	32.52	39.49
Kulczynski	24.16	35.29	41.58	24.69	38.27	46.50	11.46	21.21	26.62	58.97	73.08	92.31	13.54	23.05	30.43
Ochiai	30.78	41.63	47.00	29.22	42.80	52.67	19.58	29.24	34.66	69.23	76.92	94.87	18.17	27.74	33.59
Phi	30.67	41.69	47.00	29.22	43.21	52.26	19.49	29.24	34.57	67.95	78.21	94.87	17.96	27.79	33.54
PSC	38.44	48.66	53.91	38.68	48.97	53.91	26.90	36.73	42.69	71.79	82.05	92.31	24.33	36.23	43.16
Relative Matching	26.61	38.55	43.75	21.40	35.80	41.15	19.77	28.16	33.57	70.51	84.62	94.87	17.05	24.48	29.72
Rogers and Tanimoto	17.65	25.64	29.70	20.16	27.57	33.74	11.37	16.52	19.77	37.18	41.03	46.15	9.01	12.88	15.32
Russell and Rao	35.35	47.12	53.51	29.22	45.27	51.44	29.24	37.36	43.50	74.36	87.18	94.87	24.99	34.10	40.51
Simple matching	17.30	25.19	29.18	20.16	27.57	34.16	11.37	16.61	19.40	37.18	41.03	47.44	8.85	12.57	15.17
Sokal and Sneath	16.62	24.27	28.33	16.46	24.28	30.45	9.66	15.52	18.41	37.18	41.03	47.44	8.55	12.11	14.50
Sokal and Sneath 2	40.72	49.46	54.60	40.74	49.79	55.14	30.96	40.79	45.94	75.64	84.62	93.59	24.83	35.11	42.24
Sokal and Sneath 4	24.10	35.24	41.46	24.69	38.27	46.50	11.19	21.21	26.62	61.54	71.79	92.31	13.49	23.10	30.38
Sokal binary distance	21.59	29.13	33.18	25.51	35.39	40.74	13.72	18.77	22.56	46.15	52.56	58.97	10.48	14.96	17.35
Sorenson	34.44	44.49	49.23	32.10	42.80	49.79	23.92	33.66	38.81	71.79	78.21	94.87	20.51	29.67	36.08
Yule	6.40	12.79	18.56	11.52	20.99	28.40	4.24	6.59	10.56	58.97	75.64	87.18	5.50	10.03	13.69
PTMM	55.05	59.36	64.91	54.84	65.98	65.55	45.86	54.23	57.37	86.09	92.08	93.97	42.37	50.53	53.40

Extact Method						
Coefficient	Struts	SunFlow	Tapestry	Trove	Velocity	
	Hits	Hits	Hits	Hits	Hits	
Baroni-Urbani and Buser	69.67	65.76	59.49	89.39	55.97	
Dot-product	74.76	68.47	66.67	98.48	70.31	
Hamann	11.59	14.04	0.84	24.24	21.50	
Jaccard	75.36	69.21	66.39	96.97	72.35	
Kulczynski	84.01	75.62	73.84	98.48	79.52	
Ochiai	79.56	70.69	66.67	98.48	73.72	
Phi	79.26	71.18	66.67	98.48	73.38	
PSC	78.01	70.69	72.15	98.48	76.79	
Relative Matching	90.40	74.63	87.76	98.48	86.01	
Rogers and Tanimoto	11.59	14.04	0.84	24.24	21.50	
Russell and Rao	92.10	81.77	93.67	98.48	91.47	
Simple matching	11.59	14.04	0.84	24.24	21.50	
Sokal and Sneath	11.39	13.30	0.84	24.24	21.50	
Sokal and Sneath 2	75.91	68.97	72.15	96.97	76.11	
Sokal and Sneath 4	83.86	74.14	73.42	98.48	77.13	
Sokal binary distance	16.09	27.59	5.49	24.24	29.69	
Sorenson	74.76	68.47	66.67	98.48	70.31	
Yule	72.01	70.20	66.24	77.27	61.43	
PTM	92.59	82.08	93.68	98.57	90.91	

Move Class																					
Coefficient	WCT			WebMail			WEKA			Xalan			Xerces			XMojo			Mean		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	27.98	34.52	39.58	34.15	43.90	46.34	25.38	39.70	47.61	37.52	44.20	54.30	49.43	58.71	64.58	14.29	57.14	71.43	39.32	52.24	60.42
	36.01	46.73	55.65	36.59	53.66	63.41	34.46	52.74	61.35	49.93	64.67	69.58	61.93	72.54	76.33	14.29	57.14	85.71	50.50	64.50	72.29
Dot-product																					
Hamann	20.54	23.21	25.30	24.39	34.15	48.78	20.84	32.95	38.77	23.47	28.24	29.60	29.73	31.44	34.28	0.00	42.86	57.14	26.43	36.16	43.43
Jaccard	36.90	47.92	57.14	36.59	58.54	68.29	37.95	56.23	63.80	54.02	65.89	70.26	63.83	73.48	77.84	28.57	71.43	85.71	52.62	66.53	73.98
Kulczynski	34.52	45.24	52.08	24.39	46.34	48.78	38.65	56.11	65.31	46.93	58.94	65.21	61.93	71.59	75.38	14.29	57.14	71.43	48.58	63.33	71.48
Ochiai	35.42	48.21	55.06	39.02	51.22	63.41	34.58	53.78	62.75	49.66	62.35	67.80	63.45	72.92	76.14	14.29	57.14	71.43	50.40	64.48	72.32
Phi	35.42	48.81	55.65	39.02	56.10	63.41	35.04	54.13	63.21	49.39	62.21	67.67	63.26	72.92	76.52	14.29	57.14	71.43	50.56	64.39	72.31
PSC	24.29	37.68	43.33	28.90	53.29	63.05	29.35	46.12	52.87	42.98	53.21	57.58	52.42	62.46	66.44	13.57	56.43	70.71	55.03	69.20	76.36
Relative Matching	30.06	41.37	48.21	24.39	34.15	41.46	25.03	37.02	47.50	41.75	54.57	63.71	56.06	65.15	70.45	14.29	57.14	85.71	39.65	55.29	64.70
Rogers and Tanimoto	21.13	23.51	25.60	26.83	34.15	48.78	21.07	33.18	38.88	23.47	28.51	30.01	29.92	31.82	34.28	0.00	42.86	57.14	26.78	36.37	43.55
Russell and Rao	34.52	45.54	53.87	26.83	34.15	56.10	28.99	42.84	54.37	48.29	62.21	69.99	63.07	74.24	78.22	28.57	85.71	100.00	45.11	61.79	70.81
Simple matching	20.83	23.21	25.30	26.83	34.15	48.78	20.61	33.18	38.77	23.47	28.24	29.60	29.55	31.25	34.28	0.00	42.86	57.14	26.59	36.26	43.70
Sokal and Sneath	19.94	22.62	24.70	24.39	34.15	48.78	20.26	32.25	38.30	23.47	28.24	29.47	29.55	30.30	33.33	0.00	42.86	42.86	26.23	35.92	43.09
Sokal and Sneath 2	37.80	50.00	58.33	36.59	56.10	68.29	42.96	58.67	66.59	55.39	66.98	70.94	65.53	74.24	78.41	28.57	71.43	85.71	54.32	68.02	75.22
Sokal and Sneath 4	34.82	45.83	52.08	26.83	48.78	53.66	38.65	55.88	65.19	46.93	59.07	64.67	62.12	71.59	75.57	14.29	57.14	71.43	48.80	63.53	71.54
Sokal binary distance	22.02	25.00	26.79	26.83	34.15	46.34	22.82	35.62	40.98	25.38	31.38	32.74	33.14	35.80	37.88	0.00	28.57	42.86	29.39	38.72	46.09
Sorenson	36.01	46.73	55.65	36.59	53.66	63.41	34.46	52.74	61.35	49.93	64.67	69.58	61.93	72.54	76.33	14.29	57.14	85.71	50.69	64.76	72.61
Yule	15.77	20.83	27.98	12.20	36.59	41.46	21.07	34.58	42.03	29.88	34.79	39.56	33.33	47.16	56.25	14.29	42.86	71.43	30.79	43.01	51.62
PTMC	50.38	65.22	72.92	51.08	73.98	88.61	54.45	76.73	71.54	67.46	76.73	84.79	73.89	83.74	88.30	47.04	79.74	93.86	62.91	71.11	79.97

Move Method																					
Coefficient	WCT			WebMail			WEKA			Xalan			Xerces			XMojo			Mean		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	15.84	23.27	30.69	13.84	27.04	35.85	7.78	11.34	13.72	10.33	12.14	14.77	9.89	16.75	19.93	23.44	35.94	51.56	21.97	29.98	35.43
Dot-product	27.60	39.48	46.91	24.53	38.99	53.46	15.87	22.48	27.45	21.75	32.94	38.11	26.09	36.26	41.97	31.25	40.63	57.81	34.24	45.34	52.32
Hamann	19.06	26.98	31.93	16.98	28.30	34.59	9.15	14.19	17.68	15.22	20.80	25.42	19.24	24.99	30.14	15.63	23.44	29.69	22.96	30.05	34.19
Jaccard	29.83	43.56	50.74	27.04	46.54	55.35	19.25	26.56	31.34	26.33	36.93	42.37	30.14	40.04	46.89	37.50	46.88	65.63	37.84	49.01	55.94
Kulczynski	20.67	33.17	41.96	27.04	36.48	47.17	11.43	18.54	23.89	15.86	23.11	27.87	18.04	26.88	34.19	31.25	48.44	54.69	28.61	40.16	47.54
Ochiai	25.62	38.74	46.29	23.90	41.51	54.09	14.85	22.17	27.05	19.44	28.18	33.12	24.02	33.09	39.67	26.56	42.19	57.81	32.61	43.98	51.13
Phi	25.37	38.37	46.04	23.27	41.51	52.83	14.83	22.19	26.94	19.44	28.18	33.03	23.93	33.04	39.62	28.13	42.19	57.81	32.50	43.92	51.01
PSC	31.06	46.16	52.23	30.82	47.80	56.60	19.98	29.10	33.88	27.50	36.66	41.37	30.05	40.54	49.56	39.06	50.00	71.88	38.98	51.06	58.31
Relative Matching	22.65	34.41	40.22	20.13	32.08	44.65	12.33	16.24	20.07	16.09	22.47	28.45	20.85	30.83	35.48	28.13	39.06	53.13	27.59	37.43	43.64
Rogers and Tanimoto	19.31	27.10	31.93	16.35	27.67	34.59	9.55	14.63	17.97	15.77	21.25	25.83	19.37	25.31	30.14	15.63	21.88	31.25	23.17	30.31	34.54
Russell and Rao	28.96	41.96	48.27	28.30	41.51	45.28	17.77	23.82	28.13	22.20	32.67	39.65	28.26	38.10	43.95	35.94	53.13	67.19	34.62	45.74	52.49
Simple matching	19.18	26.98	31.81	16.98	27.04	33.96	9.39	14.48	17.83	15.09	20.53	25.24	19.33	25.26	30.19	15.63	23.44	29.69	22.92	30.03	34.20
Sokal and Sneath	18.44	26.36	31.06	16.98	26.42	34.59	8.80	13.83	17.04	14.54	19.26	24.78	19.01	24.90	29.91	15.63	21.88	28.13	22.32	29.23	33.33
Sokal and Sneath 2	34.78	47.40	53.22	31.45	49.06	59.12	21.68	29.50	34.76	29.77	39.28	45.13	32.26	42.94	51.04	35.94	45.31	62.50	40.79	51.86	58.58
Sokal and Sneath 4	20.54	33.17	41.83	27.04	36.48	47.17	11.43	18.52	23.80	15.81	22.97	27.82	17.99	26.97	34.19	23.44	43.75	57.81	28.47	40.07	47.54
Sokal binary distance	21.41	30.20	36.14	16.35	28.93	35.22	11.93	17.28	21.10	18.89	25.74	29.13	21.68	28.95	33.23	23.44	26.56	46.88	26.18	33.64	38.21
Sorenson	27.60	39.48	46.91	24.53	38.99	53.46	15.87	22.48	27.45	21.75	32.94	38.11	26.09	36.26	41.97	31.25	40.63	57.81	34.24	45.34	52.32
Yule	9.41	18.19	25.37	15.09	23.27	28.93	3.43	7.38	10.17	4.80	7.39	10.42	4.42	9.39	13.58	21.88	34.38	51.56	14.21	22.07	27.83
PTMM	55.43	60.27	64.03	45.97	54.11	59.75	41.60	45.71	47.87	41.81	50.47	54.22	57.11	62.26	66.20	36.88	54.74	82.75	54.18	62.71	66.94

Exact Method									
Coefficient	WCT	WebMail	WEKA	Xalan	Xerces	XMojo	Mean		
	Hits	Hits	Hits	Hits	Hits	Hits	Hits		
Baroni-Urbani and Buser	81.49	59.23	59.40	58.93	69.91	31.58	61.74		
Dot-product	87.84	69.62	68.16	69.70	81.33	29.82	69.48		
Hamann	17.54	5.00	12.14	14.28	25.58	3.51	11.86		
Jaccard	88.66	71.54	73.74	76.36	83.58	29.82	71.74		
Kulczynski	92.61	75.00	74.44	79.86	86.95	29.82	77.62		
Ochiai	90.75	74.23	70.70	74.22	83.60	29.82	73.11		
Phi	90.75	73.85	70.61	74.15	83.47	29.82	72.70		
PSC	90.37	74.62	77.17	79.90	86.30	29.82	75.35		
Relative Matching	94.03	83.85	73.65	79.10	85.31	47.37	81.51		
Rogers and Tanimoto	17.84	5.00	12.20	14.43	25.58	3.51	12.02		
Russell and Rao	95.90	88.85	79.42	83.95	90.46	43.86	86.58		
Simple matching	17.54	5.00	12.08	14.10	25.58	3.51	11.83		
Sokal and Sneath	17.01	4.23	12.01	13.88	25.36	3.51	11.66		
Sokal and Sneath 2	88.88	74.62	78.63	80.80	85.76	29.82	74.37		
Sokal and Sneath 4	92.31	74.62	74.27	78.96	86.71	29.82	76.66		
Sokal binary distance	22.91	6.15	23.48	24.48	33.90	10.53	18.03		
Sorenson	87.84	69.62	68.16	69.70	81.33	29.82	69.48		
Yule	81.19	69.62	61.62	64.97	69.67	40.35	65.50		
PTEM	96.14	89.45	79.67	84.26	90.69	43.94	87.00		