Text and topology in in human interaction networks: differences among Erdös sectors and correlation of metrics (Supporting Information document)

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CONTENTS

This Supporting Information document exposes extensive measurements on interaction networks erived from email lists, Twitter, Participabr and IRC.

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SI. MEASURES

A. General characteristics of activity distribution among participants

1. Snapshots of 1000 messages

	g.	**p.**	**i.**	**h.**
N	116	62	46	8
$N_{\%}$	100.00	53.45	39.66	6.90
M	999.00	120.00	394.00	485.00
$M_{\%}$	100.00	12.01	39.44	48.55
Γ	205.00	58.00	96.00	51.00
$\Gamma_{\%}$	100.00	28.29	46.83	24.88
$\frac{\Gamma}{M}\%$	20.52	48.33	24.37	10.52
$\mu(\gamma)$	2.60	2.24	2.76	2.73
$\sigma(\gamma)$	0.49	0.43	0.43	0.45

TABLE S1. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.34 years (from 2003-04-14T06:38:44 to 2003-08-16T15:26:03). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 0

	g.	**p.**	**i.**	**h.**
N	163	87	53	23
$N_{\%}$	100.00	53.37	32.52	14.11
M	1000.00	144.00	327.00	519.00
$M_{\%}$	100.00	14.55	33.03	52.42
Γ	274.00	67.00	99.00	108.00
$\Gamma_{\%}$	100.00	24.45	36.13	39.42
$\frac{\Gamma}{M}\%$	27.40	46.53	30.28	20.81
$\mu(\gamma)$	2.65	2.46	2.71	2.70
$\sigma(\gamma)$	0.48	0.50	0.46	0.46

TABLE S2. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.16 years (from 2002-03-15T14:54:31 to 2002-05-13T09:52:28). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 2

	g.	**p.**	**i.**	**h.**
N	89	47	35	7
$N_{\%}$	100.00	52.81	39.33	7.87
M	1000.00	115.00	348.00	537.00
$M_{\%}$	100.00	11.50	34.80	53.70
Γ	254.00	87.00	104.00	63.00
$\Gamma_{\%}$	100.00	34.25	40.94	24.80
$\frac{\Gamma}{M}\%$	25.40	75.65	29.89	11.73
$\mu(\gamma)$	2.69	2.70	2.80	2.49
$\sigma(\gamma)$	0.46	0.46	0.40	0.50

TABLE S3. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.32 years (from 2002-10-13T15:53:01 to 2003-02-08T17:56:24). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 3

	g.	**p.**	**i.**	**h.**
N	519	463	44	12
$N_{\%}$	100.00	89.21	8.48	2.31
M	855.00	496.00	90.00	262.00
$M_{\%}$	100.00	58.49	10.61	30.90
Γ	633.00	492.00	58.00	83.00
$\Gamma_{\%}$	100.00	77.73	9.16	13.11
$\frac{\Gamma}{M}\%$	74.04	99.19	64.44	31.68
$\mu(\gamma)$	2.14	2.00	2.74	2.54
$\sigma(\gamma)$	0.35	0.00	0.44	0.50

TABLE S4. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 6.75 years (from 2002-04-14T09:08:39 to 2009-01-15T07:35:02). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 6

	g.	**p.**	**i.**	**h.**
N	183	88	77	18
$N_{\%}$	100.00	48.09	42.08	9.84
M	1000.00	121.00	467.00	410.00
$M_{\%}$	100.00	12.12	46.79	41.08
Γ	221.00	45.00	105.00	71.00
$\Gamma_{\%}$	100.00	20.36	47.51	32.13
$\frac{\Gamma}{M}\%$	22.10	37.19	22.48	17.32
$\mu(\gamma)$	2.71	2.47	2.76	2.77
$\sigma(\gamma)$	0.46	0.50	0.43	0.42

TABLE S5. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.15 years (from 2005-12-20T23:20:59 to 2006-02-12T17:52:27). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 7

	g.	**p.**	**i.**	**h.**
N	160	99	52	9
$N_{\%}$	100.00	61.88	32.50	5.62
M	990.00	128.00	315.00	544.00
$M_{\%}$	100.00	12.97	31.91	55.12
Γ	201.00	74.00	59.00	68.00
$\Gamma_{\%}$	100.00	36.82	29.35	33.83
$\frac{\Gamma}{M}\%$	20.30	57.81	18.73	12.50
$\mu(\gamma)$	2.64	2.28	2.88	2.82
$\sigma(\gamma)$	0.48	0.45	0.32	0.38

TABLE S6. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.87 years (from 2007-03-22T07:24:54 to 2008-02-01T11:32:39). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 8

	g.	**p.**	**i.**	**h.**
N	349	266	76	7
$N_{\%}$	100.00	76.22	21.78	2.01
M	998.00	373.00	340.00	284.00
$M_{\%}$	100.00	37.41	34.10	28.49
Γ	549.00	337.00	207.00	5.00
$\Gamma_{\%}$	100.00	61.38	37.70	0.91
$\frac{\Gamma}{M}\%$	55.01	90.35	60.88	1.76
$\mu(\gamma)$	2.44	2.41	2.50	2.60
$\sigma(\gamma)$	0.50	0.49	0.50	0.49

TABLE S7. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.28 years (from 2003-05-23T09:59:04 to 2003-09-04T06:05:30). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 9

	g.	**p.**	**i.**	**h.**
N	216	123	83	10
$N_{\%}$	100.00	56.94	38.43	4.63
M	1000.00	171.00	484.00	345.00
$M_{\%}$	100.00	17.10	48.40	34.50
Γ	278.00	78.00	113.00	87.00
$\Gamma_{\%}$	100.00	28.06	40.65	31.29
$\frac{\Gamma}{M}\%$	27.80	45.61	23.35	25.22
$\mu(\gamma)$	2.52	2.50	2.51	2.54
$\sigma(\gamma)$	0.50	0.50	0.50	0.50

TABLE S8. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 3.15 years (from 2008-01-01T01:24:27 to 2011-02-26T10:06:59). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 10

	g.	**p.**	**i.**	**h.**
N	76	48	22	6
$N_{\%}$	100.00	63.16	28.95	7.89
M	1000.00	99.00	337.00	564.00
$M_{\%}$	100.00	9.90	33.70	56.40
Γ	278.00	60.00	177.00	41.00
$\Gamma_{\%}$	100.00	21.58	63.67	14.75
$\frac{\Gamma}{M}\%$	27.80	60.61	52.52	7.27
$\mu(\gamma)$	2.67	2.45	2.75	2.63
$\sigma(\gamma)$	0.47	0.50	0.43	0.48

TABLE S9. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.25 years (from 2010-04-06T08:44:52 to 2010-07-05T17:37:22). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 11

	g.	**p.**	**i.**	**h.**
N	255	148	99	8
$N_{\%}$	100.00	58.04	38.82	3.14
M	996.00	246.00	481.00	268.00
$M_{\%}$	100.00	24.72	48.34	26.93
Γ	528.00	214.00	203.00	111.00
$\Gamma_{\%}$	100.00	40.53	38.45	21.02
$\frac{\Gamma}{M}\%$	53.01	86.99	42.20	41.42
$\mu(\gamma)$	2.33	2.26	2.50	2.18
$\sigma(\gamma)$	0.47	0.44	0.50	0.38

TABLE S10. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 6.66 years (from 2002-12-20T18:09:19 to 2009-08-19T13:42:26). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 12

	g.	**p.**	**i.**	**h.**
N	410	376	23	11
$N_{\%}$	100.00	91.71	5.61	2.68
M	989.00	402.00	68.00	490.00
$M_{\%}$	100.00	41.88	7.08	51.04
Γ	534.00	387.00	22.00	125.00
$\Gamma_{\%}$	100.00	72.47	4.12	23.41
$\frac{\Gamma}{M}\%$	53.99	96.27	32.35	25.51
$\mu(\gamma)$	2.19	2.00	2.95	2.64
$\sigma(\gamma)$	0.39	0.00	0.21	0.48

TABLE S11. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 1.28 years (from 2009-02-04T19:58:09 to 2010-05-20T16:40:06). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 13

	g.	**p.**	**i.**	**h.**
N	332	134	189	9
$N_{\%}$	100.00	40.36	56.93	2.71
M	995.00	190.00	639.00	166.00
$M_{\%}$	100.00	19.10	64.22	16.68
Γ	603.00	187.00	397.00	19.00
$\Gamma_{\%}$	100.00	31.01	65.84	3.15
$\frac{\Gamma}{M}\%$	60.60	98.42	62.13	11.45
$\mu(\gamma)$	2.31	2.01	2.44	2.47
$\sigma(\gamma)$	0.46	0.10	0.50	0.50

TABLE S12. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.67 years (from 2002-06-10T14:56:02 to 2003-02-12T08:39:55). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 15

	g.	**p.**	**i.**	**h.**
N	252	120	117	15
$N_{\%}$	100.00	47.62	46.43	5.95
M	979.00	142.00	381.00	447.00
$M_{\%}$	100.00	14.64	39.28	46.08
Γ	353.00	125.00	148.00	80.00
$\Gamma_{\%}$	100.00	35.41	41.93	22.66
$\frac{\Gamma}{M}\%$	36.06	88.03	38.85	17.90
$\mu(\gamma)$	2.30	2.02	2.50	2.38
$\sigma(\gamma)$	0.46	0.15	0.50	0.48

TABLE S13. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.64 years (from 2002-03-25T16:00:40 to 2002-11-14T13:43:36). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 16

	g.	**p.**	**i.**	**h.**
N	125	63	43	19
$N_{\%}$	100.00	50.40	34.40	15.20
M	1000.00	109.00	318.00	573.00
$M_{\%}$	100.00	10.90	31.80	57.30
Γ	150.00	42.00	53.00	55.00
$\Gamma_{\%}$	100.00	28.00	35.33	36.67
$\frac{\Gamma}{M}\%$	15.00	38.53	16.67	9.60
$\mu(\gamma)$	2.80	2.76	2.81	2.82
$\sigma(\gamma)$	0.40	0.43	0.39	0.39

TABLE S14. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.16 years (from 2012-01-16T07:36:37 to 2012-03-16T14:32:02). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 17

	g.	**p.**	**i.**	**h.**
N	111	77	27	7
$N_{\%}$	100.00	69.37	24.32	6.31
M	996.00	91.00	259.00	646.00
$M_{\%}$	100.00	9.14	26.00	64.86
Γ	294.00	62.00	49.00	183.00
$\Gamma_{\%}$	100.00	21.09	16.67	62.24
$\frac{\Gamma}{M}\%$	29.52	68.13	18.92	28.33
$\mu(\gamma)$	2.55	2.29	2.73	2.59
$\sigma(\gamma)$	0.50	0.45	0.44	0.49

TABLE S15. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.76 years (from 2002-12-10T17:07:26 to 2003-09-13T16:27:43). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 18

	g.	**p.**	**i.**	**h.**
N	127	69	44	14
$N_{\%}$	100.00	54.33	34.65	11.02
M	999.00	119.00	299.00	581.00
$M_{\%}$	100.00	11.91	29.93	58.16
Γ	319.00	70.00	106.00	143.00
$\Gamma_{\%}$	100.00	21.94	33.23	44.83
$\frac{\Gamma}{M}\%$	31.93	58.82	35.45	24.61
$\mu(\gamma)$	2.51	2.40	2.60	2.49
$\sigma(\gamma)$	0.50	0.49	0.49	0.50

TABLE S16. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 1.10 years (from 2004-05-12T23:56:58 to 2005-06-17T10:35:50). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 19

2. Snapshots of 2000 messages

	g.	**p.**	**i.**	**h.**
N	149	81	58	10
$N_{\%}$	100.00	54.36	38.93	6.71
M	2000.00	186.00	822.00	992.00
$M_{\%}$	100.00	9.30	41.10	49.60
Γ	347.00	70.00	212.00	65.00
$\Gamma_{\%}$	100.00	20.17	61.10	18.73
$\frac{\Gamma}{M}\%$	17.35	37.63	25.79	6.55
$\mu(\gamma)$	2.76	2.56	2.80	2.88
$\sigma(\gamma)$	0.42	0.50	0.40	0.33

TABLE S17. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.30 years (from 2003-08-15T10:13:24 to 2003-12-04T16:56:33). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 0

	g.	**p.**	**i.**	**h.**
N	308	169	118	21
$N_{\%}$	100.00	54.87	38.31	6.82
M	1999.00	277.00	956.00	745.00
$M_{\%}$	100.00	14.00	48.33	37.66
Γ	590.00	126.00	311.00	153.00
$\Gamma_{\%}$	100.00	21.36	52.71	25.93
$\frac{\Gamma}{M}\%$	29.51	45.49	32.53	20.54
$\mu(\gamma)$	2.63	2.48	2.68	2.67
$\sigma(\gamma)$	0.48	0.50	0.47	0.47

TABLE S18. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.30 years (from 2002-05-13T10:09:50 to 2002-08-30T12:40:52). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 2

	g.	**p.**	**i.**	**h.**
N	180	122	52	6
$N_{\%}$	100.00	67.78	28.89	3.33
M	2000.00	274.00	636.00	1090.00
$M_{\%}$	100.00	13.70	31.80	54.50
Γ	446.00	143.00	157.00	146.00
$\Gamma_{\%}$	100.00	32.06	35.20	32.74
$\frac{\Gamma}{M}\%$	22.30	52.19	24.69	13.39
$\mu(\gamma)$	2.73	2.77	2.84	2.58
$\sigma(\gamma)$	0.44	0.42	0.37	0.49

TABLE S19. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 1.03 years (from 2003-02-06T18:25:24 to 2004-02-18T17:36:33). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 3

	g.	**p.**	**i.**	**h.**
N	201	98	86	17
$N_{\%}$	100.00	48.76	42.79	8.46
M	1274.00	151.00	607.00	514.00
$M_{\%}$	100.00	11.87	47.72	40.41
Γ	256.00	56.00	145.00	55.00
$\Gamma_{\%}$	100.00	21.88	56.64	21.48
$\frac{\Gamma}{M}\%$	20.09	37.09	23.89	10.70
$\mu(\gamma)$	2.73	2.52	2.77	2.85
$\sigma(\gamma)$	0.44	0.50	0.42	0.35

TABLE S20. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.21 years (from 2006-02-12T10:01:44 to 2006-05-01T19:06:29). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 7

	g.	**p.**	**i.**	**h.**
N	172	110	40	22
$N_{\%}$	100.00	63.95	23.26	12.79
M	885.00	145.00	236.00	503.00
$M_{\%}$	100.00	16.40	26.70	56.90
Γ	169.00	65.00	47.00	57.00
$\Gamma_{\%}$	100.00	38.46	27.81	33.73
$\frac{\Gamma}{M}\%$	19.10	44.83	19.92	11.33
$\mu(\gamma)$	2.63	2.37	2.79	2.79
$\sigma(\gamma)$	0.48	0.48	0.41	0.41

TABLE S21. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 1.10 years (from 2008-01-31T19:50:42 to 2009-03-09T10:23:23). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 8

	g.	**p.**	**i.**	**h.**
N	149	80	61	8
$N_{\%}$	100.00	53.69	40.94	5.37
M	776.00	103.00	316.00	357.00
$M_{\%}$	100.00	13.27	40.72	46.01
Γ	274.00	47.00	81.00	146.00
$\Gamma_{\%}$	100.00	17.15	29.56	53.28
$\frac{\Gamma}{M}\%$	35.31	45.63	25.63	40.90
$\mu(\gamma)$	2.30	2.21	2.48	2.23
$\sigma(\gamma)$	0.46	0.41	0.50	0.42

TABLE S22. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of -3.24 years (from 2011-02-18T01:46:10 to 2007-11-21T02:36:40). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 10

	g.	**p.**	**i.**	**h.**
N	68	42	20	6
$N_{\%}$	100.00	61.76	29.41	8.82
M	642.00	79.00	265.00	298.00
$M_{\%}$	100.00	12.31	41.28	46.42
Γ	148.00	39.00	100.00	9.00
$\Gamma_{\%}$	100.00	26.35	67.57	6.08
$\frac{\Gamma}{M}\%$	23.05	49.37	37.74	3.02
$\mu(\gamma)$	2.61	2.41	2.69	2.56
$\sigma(\gamma)$	0.49	0.49	0.46	0.50

TABLE S23. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.16 years (from 2010-07-06T01:04:23 to 2010-09-03T07:05:19). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 11

	g.	**p.**	**i.**	**h.**
N	210	80	120	10
$N_{\%}$	100.00	38.10	57.14	4.76
M	490.00	111.00	284.00	95.00
$M_{\%}$	100.00	22.65	57.96	19.39
Γ	294.00	107.00	171.00	16.00
$\Gamma_{\%}$	100.00	36.39	58.16	5.44
$\frac{\Gamma}{M}\%$	60.00	96.40	60.21	16.84
$\mu(\gamma)$	2.31	2.00	2.47	2.62
$\sigma(\gamma)$	0.46	0.00	0.50	0.48

TABLE S24. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.24 years (from 2003-02-12T14:21:31 to 2003-05-09T11:06:41). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 15

B. Characters

1. Snapshots of 1000 messages

	g.	p.	i.	h.
$chars$	553435	68986	179933	304516
$chars_{\%}$	100.00	12.47	32.51	55.02
$\frac{spaces}{chars}$	15.60	15.25	15.70	15.61
$\frac{punct}{chars-spaces}$	6.74	6.51	6.33	7.03
$\frac{digits}{chars-spaces}$	1.48	1.89	1.56	1.34
$\frac{letters}{chars-spaces}$	89.92	89.66	90.23	89.80
$\frac{vogals}{letters}$	36.15	35.87	36.01	36.30
$\frac{uppercase}{letters}$	5.34	5.92	5.70	4.99

TABLE S25. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$chars$	516456	86876	164545	265035
$chars_{\%}$	100.00	16.82	31.86	51.32
$\frac{spaces}{chars}$	13.36	12.80	13.32	13.57
$\frac{punct}{chars-spaces}$	9.10	9.87	8.45	9.25
$\frac{digits}{chars-spaces}$	2.37	3.59	1.54	2.48
$\frac{letters}{chars-spaces}$	86.53	83.66	88.22	86.43
$\frac{vogals}{letters}$	35.08	33.79	35.55	35.19
$\frac{uppercase}{letters}$	7.12	9.43	6.63	6.68

TABLE S26. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$chars$	779504	92973	392241	294290
$chars_{\%}$	100.00	11.93	50.32	37.75
$\frac{spaces}{chars}$	16.04	14.72	16.51	15.84
$\frac{punct}{chars-spaces}$	7.55	7.92	7.72	7.20
$\frac{digits}{chars-spaces}$	2.72	2.85	3.54	1.61
$\frac{letters}{chars-spaces}$	87.71	87.17	86.76	89.14
$\frac{vogals}{letters}$	35.97	35.79	35.75	36.31
$\frac{uppercase}{letters}$	7.81	8.31	8.28	7.06

TABLE S27. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$chars$	961793	697786	100398	163609
$chars_{\%}$	100.00	72.55	10.44	17.01
$\frac{spaces}{chars}$	15.27	14.88	14.78	17.20
$\frac{punct}{chars-spaces}$	11.18	11.62	13.59	7.69
$\frac{digits}{chars-spaces}$	4.36	4.55	3.10	4.33
$\frac{letters}{chars-spaces}$	81.88	81.11	81.13	85.74
$\frac{vogals}{letters}$	32.97	32.45	32.60	35.35
$\frac{uppercase}{letters}$	8.51	8.84	8.79	6.97

TABLE S28. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
$chars$	439032	65184	206313	167535
$chars_{\%}$	100.00	14.85	46.99	38.16
$\frac{spaces}{chars}$	14.97	14.05	15.18	15.07
$\frac{punct}{chars-spaces}$	8.16	8.30	8.30	7.94
$\frac{digits}{chars-spaces}$	4.50	6.32	4.77	3.44
$\frac{letters}{chars-spaces}$	85.37	83.42	84.94	86.67
$\frac{vogals}{letters}$	31.41	30.47	30.72	32.60
$\frac{uppercase}{letters}$	9.72	9.72	9.80	9.62

TABLE S29. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
$chars$	572130	142137	143038	286955
$chars_{\%}$	100.00	24.84	25.00	50.16
$\frac{spaces}{chars}$	16.17	13.98	16.93	16.88
$\frac{punct}{chars-spaces}$	8.76	11.92	6.50	8.26
$\frac{digits}{chars-spaces}$	3.68	4.13	5.57	2.51
$\frac{letters}{chars-spaces}$	85.69	82.32	85.97	87.27
$\frac{vogals}{letters}$	34.45	30.60	35.36	35.86
$\frac{uppercase}{letters}$	8.02	18.81	4.19	4.69

TABLE S30. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
$chars$	725760	264396	274737	186627
$chars_{\%}$	100.00	36.43	37.86	25.71
$\frac{spaces}{chars}$	17.14	17.36	16.94	17.13
$\frac{punct}{chars-spaces}$	6.51	7.19	6.71	5.27
$\frac{digits}{chars-spaces}$	4.11	5.77	4.36	1.38
$\frac{letters}{chars-spaces}$	87.32	84.94	86.95	91.23
$\frac{vogals}{letters}$	35.68	35.42	35.61	36.14
$\frac{uppercase}{letters}$	6.38	7.30	6.56	4.94

TABLE S31. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
$chars$	623572	105938	358477	159157
$chars_{\%}$	100.00	16.99	57.49	25.52
$\frac{spaces}{chars}$	15.22	14.32	15.60	14.94
$\frac{punct}{chars-spaces}$	5.91	6.26	5.70	6.13
$\frac{digits}{chars-spaces}$	1.57	1.61	1.67	1.30
$\frac{letters}{chars-spaces}$	90.61	90.12	90.76	90.60
$\frac{vogals}{letters}$	37.71	37.52	37.72	37.82
$\frac{uppercase}{letters}$	4.06	4.23	3.90	4.31

TABLE S32. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
$chars$	1541843	94451	852580	594812
$chars_{\%}$	100.00	6.13	55.30	38.58
$\frac{spaces}{chars}$	16.56	16.49	16.91	16.07
$\frac{punct}{chars-spaces}$	4.05	4.68	4.49	3.31
$\frac{digits}{chars-spaces}$	1.09	1.47	1.34	0.69
$\frac{letters}{chars-spaces}$	92.63	91.54	91.76	94.03
$\frac{vogals}{letters}$	37.20	36.91	37.05	37.45
$\frac{uppercase}{letters}$	4.70	4.97	5.45	3.62

TABLE S33. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
$chars$	1087364	224263	566893	296208
$chars_{\%}$	100.00	20.62	52.13	27.24
$\frac{spaces}{chars}$	17.86	14.03	19.22	18.16
$\frac{punct}{chars-spaces}$	7.83	8.12	8.17	6.94
$\frac{digits}{chars-spaces}$	2.49	2.63	2.12	3.07
$\frac{letters}{chars-spaces}$	87.42	86.98	87.42	87.78
$\frac{vogals}{letters}$	35.97	35.97	36.15	35.64
$\frac{uppercase}{letters}$	6.66	6.70	6.35	7.20

TABLE S34. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
$chars$	1130382	713909	47644	368829
$chars_{\%}$	100.00	63.16	4.21	32.63
$\frac{spaces}{chars}$	20.70	22.99	15.37	16.97
$\frac{punct}{chars-spaces}$	7.29	7.37	12.35	6.47
$\frac{digits}{chars-spaces}$	5.79	7.90	4.97	2.10
$\frac{letters}{chars-spaces}$	82.99	79.59	80.56	89.41
$\frac{vogals}{letters}$	32.09	29.59	34.41	35.82
$\frac{uppercase}{letters}$	7.95	10.35	5.18	4.44

TABLE S35. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
$chars$	900140	250570	548772	100798
$chars_{\%}$	100.00	27.84	60.97	11.20
$\frac{spaces}{chars}$	18.22	16.45	18.60	20.59
$\frac{punct}{chars-spaces}$	6.12	6.38	6.15	5.22
$\frac{digits}{chars-spaces}$	4.17	3.34	4.60	3.92
$\frac{letters}{chars-spaces}$	87.46	87.84	87.02	88.89
$\frac{vogals}{letters}$	35.08	33.43	35.58	36.65
$\frac{uppercase}{letters}$	8.68	13.67	7.01	4.94

TABLE S36. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
$chars$	971223	302606	349078	319539
$chars_{\%}$	100.00	31.16	35.94	32.90
$\frac{spaces}{chars}$	15.04	12.84	16.99	15.00
$\frac{punct}{chars-spaces}$	11.70	15.58	10.68	9.03
$\frac{digits}{chars-spaces}$	3.48	5.50	2.56	2.51
$\frac{letters}{chars-spaces}$	82.66	76.87	84.64	86.18
$\frac{vogals}{letters}$	33.79	31.85	34.02	35.23
$\frac{uppercase}{letters}$	8.00	11.04	6.67	6.77

TABLE S37. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
$chars$	630149	70362	246202	313585
$chars_{\%}$	100.00	11.17	39.07	49.76
$\frac{spaces}{chars}$	14.32	13.65	14.12	14.62
$\frac{punct}{chars-spaces}$	9.88	9.18	9.71	10.18
$\frac{digits}{chars-spaces}$	5.91	5.66	6.89	5.20
$\frac{letters}{chars-spaces}$	82.33	83.46	81.58	82.68
$\frac{vogals}{letters}$	34.56	34.58	34.13	34.89
$\frac{uppercase}{letters}$	7.86	8.33	8.36	7.37

TABLE S38. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
$chars$	922859	99269	226361	597229
$chars_{\%}$	100.00	10.76	24.53	64.72
$\frac{spaces}{chars}$	17.04	13.67	18.51	17.04
$\frac{punct}{chars-spaces}$	6.76	13.59	6.65	5.62
$\frac{digits}{chars-spaces}$	2.36	3.79	3.96	1.52
$\frac{letters}{chars-spaces}$	88.56	78.20	87.15	90.88
$\frac{vogals}{letters}$	36.04	33.40	35.91	36.49
$\frac{uppercase}{letters}$	6.13	8.48	6.69	5.58

TABLE S39. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	**p.**	**i.**	**h.**
$chars$	514624	89224	112807	312593
$chars_{\%}$	100.00	17.34	21.92	60.74
$\frac{spaces}{chars}$	16.58	14.99	16.15	17.19
$\frac{punct}{chars-spaces}$	6.41	12.34	6.81	4.53
$\frac{digits}{chars-spaces}$	1.16	2.14	1.30	0.82
$\frac{letters}{chars-spaces}$	90.45	83.38	89.92	92.71
$\frac{vogals}{letters}$	35.55	32.93	35.03	36.43
$\frac{uppercase}{letters}$	5.95	8.15	6.18	5.28

TABLE S40. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
$chars$	1146214	114115	497484	534615
$chars_{\%}$	100.00	9.96	43.40	46.64
$\frac{spaces}{chars}$	16.04	15.37	16.71	15.56
$\frac{punct}{chars-spaces}$	6.90	8.24	7.04	6.47
$\frac{digits}{chars-spaces}$	1.07	1.20	1.06	1.06
$\frac{letters}{chars-spaces}$	90.17	88.42	90.02	90.67
$\frac{vogals}{letters}$	36.50	35.91	36.49	36.64
$\frac{uppercase}{letters}$	4.90	6.89	4.86	4.52

TABLE S41. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$chars$	1088548	144189	547262	397097
$chars_{\%}$	100.00	13.25	50.27	36.48
$\frac{spaces}{chars}$	13.70	13.54	13.66	13.80
$\frac{punct}{chars-spaces}$	9.26	9.61	8.86	9.68
$\frac{digits}{chars-spaces}$	2.96	2.11	2.92	3.33
$\frac{letters}{chars-spaces}$	85.86	86.24	86.26	85.16
$\frac{vogals}{letters}$	35.45	35.14	35.53	35.45
$\frac{uppercase}{letters}$	7.09	8.03	6.94	6.95

TABLE S42. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$chars$	1315736	212215	488036	615485
$chars_{\%}$	100.00	16.13	37.09	46.78
$\frac{spaces}{chars}$	15.04	15.59	14.95	14.93
$\frac{punct}{chars-spaces}$	7.52	7.33	7.71	7.43
$\frac{digits}{chars-spaces}$	2.62	2.61	3.39	2.00
$\frac{letters}{chars-spaces}$	87.60	88.09	86.97	87.94
$\frac{vogals}{letters}$	35.92	36.12	35.79	35.95
$\frac{uppercase}{letters}$	8.11	7.91	8.27	8.05

TABLE S43. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$chars$	656548	106449	279581	270518
$chars_{\%}$	100.00	16.21	42.58	41.20
$\frac{spaces}{chars}$	15.20	14.80	15.07	15.48
$\frac{punct}{chars-spaces}$	7.11	5.85	7.30	7.40
$\frac{digits}{chars-spaces}$	3.66	2.30	3.40	4.46
$\frac{letters}{chars-spaces}$	87.26	89.89	87.29	86.19
$\frac{vogals}{letters}$	32.40	33.48	31.39	33.03
$\frac{uppercase}{letters}$	8.00	7.60	7.33	8.88

TABLE S44. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
$chars$	421928	88544	108566	224818
$chars_{\%}$	100.00	20.99	25.73	53.28
$\frac{spaces}{chars}$	15.91	15.30	15.97	16.12
$\frac{punct}{chars-spaces}$	7.00	7.02	6.99	7.00
$\frac{digits}{chars-spaces}$	3.21	4.95	2.88	2.68
$\frac{letters}{chars-spaces}$	87.89	86.19	88.25	88.40
$\frac{vogals}{letters}$	35.40	35.00	35.17	35.67
$\frac{uppercase}{letters}$	5.46	6.61	5.72	4.88

TABLE S45. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
$chars$	969730	488982	199190	281558
$chars_{\%}$	100.00	50.42	20.54	29.03
$\frac{spaces}{chars}$	13.64	12.22	15.06	15.11
$\frac{punct}{chars-spaces}$	10.36	15.13	5.32	5.37
$\frac{digits}{chars-spaces}$	2.88	4.80	1.17	0.64
$\frac{letters}{chars-spaces}$	85.43	79.38	91.58	91.94
$\frac{vogals}{letters}$	32.43	25.66	38.24	38.81
$\frac{uppercase}{letters}$	11.48	19.99	3.61	3.84

TABLE S46. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
$chars$	935187	72511	468195	394481
$chars_{\%}$	100.00	7.75	50.06	42.18
$\frac{spaces}{chars}$	16.18	16.15	16.53	15.76
$\frac{punct}{chars-spaces}$	4.78	4.83	4.74	4.82
$\frac{digits}{chars-spaces}$	1.16	1.06	1.15	1.19
$\frac{letters}{chars-spaces}$	91.79	91.77	91.84	91.74
$\frac{vogals}{letters}$	36.86	36.82	36.84	36.89
$\frac{uppercase}{letters}$	5.29	5.28	5.41	5.15

TABLE S47. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
$chars$	548406	167975	298740	81691
$chars_{\%}$	100.00	30.63	54.47	14.90
$\frac{spaces}{chars}$	18.18	19.47	17.35	18.52
$\frac{punct}{chars-spaces}$	5.87	5.21	6.21	5.96
$\frac{digits}{chars-spaces}$	4.26	4.50	4.32	3.53
$\frac{letters}{chars-spaces}$	87.63	87.95	87.26	88.34
$\frac{vogals}{letters}$	35.88	36.14	35.65	36.20
$\frac{uppercase}{letters}$	6.86	7.57	6.84	5.52

TABLE S48. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

C. Tokens and words

1. Snapshots of 1000 messages

	g.	p.	i.	h.
$tokens$	120404	14759	39271	66374
$tokens_{\%}$	100.00	12.26	32.62	55.13
$tokens \neq$	6.90	16.17	11.08	8.83
$\frac{knownw}{tokens}$	35.19	33.36	35.60	35.36
$\frac{knownw\neq}{knownw}$	10.01	28.90	17.44	13.89
$\frac{stopw}{knownw}$	100.09	99.35	98.15	101.40
$\frac{punct}{tokens}$	20.61	21.49	20.17	20.68
$\frac{contrac}{tokens}$	1.13	0.65	1.07	1.26
$\mu(\overline{tokens})$	3.81	3.88	3.79	3.80
$\sigma(\overline{tokens})$	2.86	3.14	2.87	2.79
$\mu(\overline{knownw})$	5.70	5.79	5.63	5.72
$\sigma(\overline{knownw})$	2.27	2.28	2.22	2.29
$\mu(\overline{knownw \neq})$	6.82	6.38	6.56	6.76
$\sigma(\overline{knownw \neq})$	2.57	2.41	2.46	2.52
$\mu(\overline{stopw})$	2.75	2.67	2.70	2.80
$\sigma(\overline{stopw})$	1.11	1.10	1.12	1.12

TABLE S49. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$tokens$	112920	20292	35086	57543
$tokens_{\%}$	100.00	17.97	31.07	50.96
$tokens \neq$	12.70	21.67	18.02	15.07
$\frac{knownw}{tokens}$	24.46	24.38	25.07	24.12
$\frac{knownw\neq}{knownw}$	7.22	15.54	10.01	10.01
$\frac{stopw}{knownw}$	34.72	29.71	33.41	37.34
$\frac{punct}{tokens}$	29.31	29.50	28.44	29.77
$\frac{contrac}{tokens}$	0.07	0.08	0.03	0.09
$\mu(\overline{tokens})$	3.89	3.66	3.99	3.91
$\sigma(\overline{tokens})$	3.04	2.97	3.05	3.06
$\mu(\overline{knownw})$	4.23	4.16	4.16	4.30
$\sigma(\overline{knownw})$	2.19	2.20	2.15	2.22
$\mu(\overline{knownw \neq})$	5.62	5.14	5.13	5.52
$\sigma(\overline{knownw \neq})$	2.45	2.44	2.38	2.43
$\mu(\overline{stopw})$	2.13	2.10	2.07	2.18
$\sigma(\overline{stopw})$	0.96	0.98	0.92	0.98

TABLE S50. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$tokens$	174202	21314	87882	65006
$tokens_{\%}$	100.00	12.24	50.45	37.32
$tokens \neq$	4.99	13.42	6.97	7.45
$\frac{knownw}{tokens}$	34.80	34.92	32.78	37.50
$\frac{knownw\neq}{knownw}$	7.66	22.59	11.65	12.04
$\frac{stopw}{knownw}$	83.47	77.41	82.69	86.24
$\frac{punct}{tokens}$	24.07	24.76	25.82	21.46
$\frac{contrac}{tokens}$	0.94	0.95	0.90	1.00
$\mu(\overline{tokens})$	3.68	3.64	3.65	3.73
$\sigma(\overline{tokens})$	2.97	2.97	3.12	2.74
$\mu(\overline{knownw})$	5.49	5.51	5.44	5.54
$\sigma(\overline{knownw})$	2.45	2.45	2.40	2.52
$\mu(\overline{knownw \neq})$	6.94	6.51	6.72	6.84
$\sigma(\overline{knownw \neq})$	2.55	2.50	2.46	2.55
$\mu(\overline{stopw})$	2.75	2.66	2.73	2.80
$\sigma(\overline{stopw})$	1.10	1.09	1.10	1.10

TABLE S51. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$tokens$	229938	169408	24494	36037
$tokens_{\%}$	100.00	73.68	10.65	15.67
$tokens \neq$	8.28	9.79	10.74	9.64
$\frac{knownw}{tokens}$	32.84	33.23	29.87	33.05
$\frac{knownw\neq}{knownw}$	12.10	14.81	17.10	16.42
$\frac{stopw}{knowpw}$	62.20	57.65	57.63	86.49
$\frac{punct}{tokens}$	27.73	27.62	35.00	23.31
$\frac{contrac}{tokens}$	0.39	0.25	0.42	1.04
$\mu(\overline{tokens})$	3.49	3.46	3.42	3.68
$\sigma(\overline{tokens})$	2.69	2.60	3.15	2.76
$\mu(\overline{knownw})$	5.30	5.27	5.11	5.55
$\sigma(\overline{knownw})$	2.33	2.25	2.62	2.53
$\mu(\overline{knownw \neq})$	6.74	6.68	6.28	6.60
$\sigma(\overline{knownw \neq})$	2.41	2.38	2.51	2.46
$\mu(\overline{stopw})$	2.75	2.77	2.57	2.76
$\sigma(\overline{stopw})$	1.13	1.13	1.13	1.12

TABLE S52. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
$tokens$	91013	14019	42963	34033
$tokens_{\%}$	100.00	15.40	47.20	37.39
$tokens \neq$	16.17	27.26	19.92	19.98
$\frac{knownw}{tokens}$	17.96	18.32	17.71	18.12
$\frac{knownw\neq}{knownw}$	10.98	29.01	14.84	15.37
$\frac{stopw}{knownw}$	36.02	33.61	34.77	38.55
$\frac{punct}{tokens}$	29.38	29.87	29.54	28.97
$\frac{contrac}{tokens}$	0.03	0.06	0.04	0.00
$\mu(\overline{tokens})$	4.02	3.92	3.99	4.10
$\sigma(\overline{tokens})$	3.62	3.54	3.61	3.68
$\mu(\overline{knownw})$	3.93	4.28	3.89	3.82
$\sigma(\overline{knownw})$	2.13	2.33	2.10	2.07
$\mu(\overline{knownw \neq})$	5.51	5.17	5.23	5.16
$\sigma(\overline{knownw \neq})$	2.46	2.37	2.41	2.44
$\mu(\overline{stopw})$	1.66	1.71	1.60	1.70
$\sigma(\overline{stopw})$	0.97	0.96	0.97	0.97

TABLE S53. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
$tokens$	131584	33588	30532	67464
$tokens_{\%}$	100.00	25.53	23.20	51.27
$tokens \neq$	8.02	13.94	15.77	8.03
$\frac{knownw}{tokens}$	33.86	34.18	33.71	33.78
$\frac{knownw\neq}{knownw}$	10.82	19.24	24.01	13.78
$\frac{stopw}{knownw}$	83.38	44.60	96.17	97.14
$\frac{punct}{tokens}$	24.84	31.17	19.20	24.24
$\frac{contrac}{tokens}$	1.28	0.26	1.31	1.77
$\mu(\overline{tokens})$	3.58	3.58	3.82	3.47
$\sigma(\overline{tokens})$	2.68	2.78	2.87	2.53
$\mu(\overline{knownw})$	5.33	5.05	5.53	5.39
$\sigma(\overline{knownw})$	2.25	2.32	2.22	2.21
$\mu(\overline{knownw \neq})$	6.62	6.22	6.42	6.57
$\sigma(\overline{knownw \neq})$	2.50	2.47	2.43	2.42
$\mu(\overline{stopw})$	2.78	2.71	2.78	2.80
$\sigma(\overline{stopw})$	1.12	1.10	1.11	1.13

TABLE S54. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
$tokens$	162140	59655	61987	40499
$tokens_{\%}$	100.00	36.79	38.23	24.98
$tokens \neq$	6.20	10.38	9.53	9.10
$\frac{knownw}{tokens}$	34.97	34.08	34.98	36.28
$\frac{knownw\neq}{knownw}$	7.97	14.81	13.65	15.80
$\frac{stopw}{knownw}$	92.34	85.65	88.19	107.70
$\frac{punct}{tokens}$	20.25	20.82	21.43	17.61
$\frac{contrac}{tokens}$	1.06	0.65	0.78	2.08
$\mu(\overline{tokens})$	3.63	3.59	3.61	3.74
$\sigma(\overline{tokens})$	2.59	2.65	2.61	2.49
$\mu(\overline{knownw})$	5.74	5.73	5.68	5.86
$\sigma(\overline{knownw})$	2.36	2.42	2.35	2.29
$\mu(\overline{knownw \neq})$	6.76	6.57	6.59	6.70
$\sigma(\overline{knownw \neq})$	2.61	2.58	2.52	2.49
$\mu(\overline{stopw})$	2.73	2.69	2.71	2.81
$\sigma(\overline{stopw})$	1.09	1.08	1.11	1.07

TABLE S55. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
$tokens$	130341	21925	73977	34439
$tokens_{\%}$	100.00	16.82	56.76	26.42
$tokens \neq$	7.44	18.16	9.11	11.16
$\frac{knownw}{tokens}$	35.53	36.93	35.07	35.63
$\frac{knownw\neq}{knownw}$	9.89	26.21	12.94	18.54
$\frac{stopw}{knownw}$	92.09	77.93	94.71	95.88
$\frac{punct}{tokens}$	20.06	21.40	19.69	19.99
$\frac{contrac}{tokens}$	0.78	0.62	0.58	1.30
$\mu(\overline{tokens})$	3.98	4.06	4.01	3.86
$\sigma(\overline{tokens})$	2.98	3.05	3.04	2.78
$\mu(\overline{knownw})$	6.00	6.05	6.06	5.82
$\sigma(\overline{knownw})$	2.64	2.72	2.67	2.53
$\mu(\overline{knownw \neq})$	6.86	6.60	6.74	6.66
$\sigma(\overline{knownw \neq})$	2.62	2.59	2.59	2.55
$\mu(\overline{stopw})$	2.78	2.74	2.78	2.81
$\sigma(\overline{stopw})$	1.07	1.07	1.07	1.05

TABLE S56. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
$tokens$	323627	19432	182161	122035
$tokens_{\%}$	100.00	6.00	56.29	37.71
$tokens \neq$	4.80	19.90	5.99	7.54
$\frac{knownw}{tokens}$	38.64	38.45	38.34	39.13
$\frac{knownw\neq}{knownw}$	7.57	33.60	9.97	13.15
$\frac{stopw}{knownw}$	100.77	93.01	95.39	109.85
$\frac{punct}{tokens}$	14.55	17.36	15.48	12.70
$\frac{contrac}{tokens}$	0.51	0.66	0.34	0.74
$\mu(\overline{tokens})$	3.90	3.97	3.82	4.02
$\sigma(\overline{tokens})$	2.69	2.81	2.66	2.70
$\mu(\overline{knownw})$	6.04	6.12	5.92	6.21
$\sigma(\overline{knownw})$	2.54	2.62	2.53	2.52
$\mu(\overline{knownw \neq})$	7.35	6.94	7.20	7.27
$\sigma(\overline{knownw \neq})$	2.68	2.64	2.67	2.63
$\mu(\overline{stopw})$	2.79	2.79	2.76	2.83
$\sigma(\overline{stopw})$	1.08	1.07	1.07	1.10

TABLE S57. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
$tokens$	222661	135704	10228	76730
$tokens_{\%}$	100.00	60.95	4.59	34.46
$tokens \neq$	19.97	28.74	20.24	8.65
$\frac{knownw}{tokens}$	27.19	21.83	29.95	36.31
$\frac{knownw\neq}{knownw}$	11.42	14.56	34.87	13.63
$\frac{stopw}{knownw}$	79.03	57.15	82.89	101.87
$\frac{punct}{tokens}$	20.58	21.27	27.82	18.39
$\frac{contrac}{tokens}$	0.62	0.10	0.67	1.53
$\mu(\overline{tokens})$	3.97	4.01	3.86	3.91
$\sigma(\overline{tokens})$	3.62	3.95	3.81	2.92
$\mu(\overline{knownw})$	5.12	4.62	5.29	5.64
$\sigma(\overline{knownw})$	2.48	2.49	2.54	2.33
$\mu(\overline{knownw \neq})$	6.62	6.07	6.26	6.98
$\sigma(\overline{knownw \neq})$	2.61	2.56	2.50	2.52
$\mu(\overline{stopw})$	2.78	2.71	2.71	2.82
$\sigma(\overline{stopw})$	1.09	1.04	1.09	1.12

TABLE S59. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
$tokens$	228757	49906	117956	60895
$tokens_{\%}$	100.00	21.82	51.56	26.62
$tokens \neq$	4.59	9.91	5.69	8.83
$\frac{knownw}{tokens}$	35.86	35.21	35.55	36.98
$\frac{knownw\neq}{knownw}$	5.44	13.91	7.94	12.06
$\frac{stopw}{knownw}$	71.93	72.07	71.92	71.82
$\frac{punct}{tokens}$	26.63	27.23	27.41	24.62
$\frac{contrac}{tokens}$	0.47	0.45	0.48	0.45
$\mu(\overline{tokens})$	3.82	3.78	3.79	3.89
$\sigma(\overline{tokens})$	3.21	3.22	3.24	3.13
$\mu(\overline{knownw})$	5.78	5.77	5.75	5.83
$\sigma(\overline{knownw})$	2.37	2.34	2.40	2.34
$\mu(\overline{knownw \neq})$	6.92	6.62	6.86	6.89
$\sigma(\overline{knownw \neq})$	2.57	2.50	2.55	2.50
$\mu(\overline{stopw})$	2.71	2.65	2.71	2.75
$\sigma(\overline{stopw})$	1.08	1.07	1.09	1.08

TABLE S58. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
$tokens$	197572	55526	120382	21666
$tokens_{\%}$	100.00	28.10	60.93	10.97
$tokens \neq$	6.59	12.62	7.25	16.04
$\frac{knownw}{tokens}$	35.68	36.91	35.11	35.72
$\frac{knownw\neq}{knownw}$	8.43	17.62	10.36	26.54
$\frac{stopw}{knownw}$	86.62	75.22	89.34	101.98
$\frac{punct}{tokens}$	19.45	20.06	19.76	16.15
$\frac{contrac}{tokens}$	0.64	0.36	0.70	1.03
$\mu(\overline{tokens})$	3.65	3.69	3.63	3.62
$\sigma(\overline{tokens})$	2.57	2.59	2.58	2.46
$\mu(\overline{knownw})$	5.55	5.51	5.57	5.52
$\sigma(\overline{knownw})$	2.39	2.47	2.37	2.28
$\mu(\overline{knownw \neq})$	6.81	6.61	6.73	6.51
$\sigma(\overline{knownw \neq})$	2.60	2.58	2.55	2.45
$\mu(\overline{stopw})$	2.78	2.77	2.79	2.75
$\sigma(\overline{stopw})$	1.08	1.06	1.09	1.09

TABLE S60. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
$tokens$	230109	75530	82221	72358
$tokens_{\%}$	100.00	32.82	35.73	31.45
$tokens \neq$	5.76	8.96	7.63	8.41
$\frac{knownw}{tokens}$	32.92	34.09	32.19	32.52
$\frac{knownw\neq}{knownw}$	7.15	11.55	11.53	13.24
$\frac{stopw}{knownw}$	69.01	47.59	74.67	86.08
$\frac{punct}{tokens}$	29.62	33.77	28.96	26.03
$\frac{contrac}{tokens}$	0.68	0.29	0.80	0.95
$\mu(\overline{tokens})$	3.51	3.42	3.45	3.67
$\sigma(\overline{tokens})$	2.78	2.49	2.89	2.92
$\mu(\overline{knownw})$	5.12	4.99	4.99	5.43
$\sigma(\overline{knownw})$	2.45	2.28	2.54	2.50
$\mu(\overline{knownw \neq})$	6.83	6.55	6.60	6.72
$\sigma(\overline{knownw \neq})$	2.61	2.58	2.54	2.56
$\mu(\overline{stopw})$	2.77	2.76	2.74	2.80
$\sigma(\overline{stopw})$	1.13	1.12	1.14	1.13

TABLE S61. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
$tokens$	202427	25041	48813	128573
$tokens_{\%}$	100.00	12.37	24.11	63.52
$tokens \neq$	6.31	14.26	13.04	6.46
$\frac{knownw}{tokens}$	34.42	33.70	33.82	34.78
$\frac{knownw\neq}{knownw}$	8.17	24.19	17.68	9.76
$\frac{stopw}{knownw}$	97.44	56.66	92.81	106.84
$\frac{punct}{tokens}$	20.32	31.98	20.61	17.94
$\frac{contrac}{tokens}$	0.89	0.39	0.68	1.06
$\mu(\overline{tokens})$	3.69	3.27	3.69	3.78
$\sigma(\overline{tokens})$	2.61	2.50	2.62	2.63
$\mu(\overline{knownw})$	5.48	4.94	5.42	5.61
$\sigma(\overline{knownw})$	2.27	2.40	2.22	2.24
$\mu(\overline{knownw \neq})$	6.86	6.34	6.49	6.88
$\sigma(\overline{knownw \neq})$	2.59	2.55	2.49	2.53
$\mu(\overline{stopw})$	2.79	2.68	2.77	2.80
$\sigma(\overline{stopw})$	1.10	1.11	1.11	1.10

TABLE S63. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
$tokens$	150383	16682	59348	74354
$tokens_{\%}$	100.00	11.09	39.46	49.44
$tokens \neq$	5.94	16.98	8.28	7.89
$\frac{knownw}{tokens}$	30.57	31.44	30.36	30.55
$\frac{knownw\neq}{knownw}$	7.82	27.56	12.34	11.52
$\frac{stopw}{knownw}$	70.71	67.85	67.75	73.71
$\frac{punct}{tokens}$	29.22	28.61	29.79	28.90
$\frac{contrac}{tokens}$	0.57	0.64	0.48	0.63
$\mu(\overline{tokens})$	3.52	3.58	3.50	3.53
$\sigma(\overline{tokens})$	3.03	2.98	3.03	3.04
$\mu(\overline{knownw})$	5.32	5.63	5.28	5.28
$\sigma(\overline{knownw})$	2.25	2.43	2.21	2.24
$\mu(\overline{knownw \neq})$	6.65	6.36	6.32	6.60
$\sigma(\overline{knownw \neq})$	2.55	2.54	2.42	2.52
$\mu(\overline{stopw})$	2.74	2.70	2.74	2.76
$\sigma(\overline{stopw})$	1.08	1.10	1.09	1.07

TABLE S62. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
$tokens$	115464	21717	25301	68446
$tokens_{\%}$	100.00	18.81	21.91	59.28
$tokens \neq$	7.53	14.87	14.95	8.49
$\frac{knownw}{tokens}$	34.41	31.22	33.60	35.72
$\frac{knownw\neq}{knownw}$	12.24	25.01	26.20	15.44
$\frac{stopw}{knownw}$	107.64	71.39	102.58	119.46
$\frac{punct}{tokens}$	19.49	31.69	20.79	15.13
$\frac{contrac}{tokens}$	1.55	0.73	1.41	1.86
$\mu(\overline{tokens})$	3.64	3.42	3.66	3.71
$\sigma(\overline{tokens})$	2.56	2.73	2.67	2.46
$\mu(\overline{knownw})$	5.61	5.22	5.52	5.75
$\sigma(\overline{knownw})$	2.35	2.53	2.30	2.30
$\mu(\overline{knownw \neq})$	6.83	6.29	6.39	6.85
$\sigma(\overline{knownw \neq})$	2.55	2.49	2.43	2.50
$\mu(\overline{stopw})$	2.72	2.66	2.69	2.74
$\sigma(\overline{stopw})$	1.12	1.11	1.14	1.11

TABLE S64. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
$tokens$	247646	24597	106856	116193
$tokens_{\%}$	100.00	9.93	43.15	46.92
$tokens \neq$	4.51	13.62	6.69	6.33
$\frac{knownw}{tokens}$	35.66	34.86	35.34	36.12
$\frac{knownw\neq}{knownw}$	6.49	22.50	10.66	9.85
$\frac{stopw}{knownw}$	98.10	90.41	97.56	100.15
$\frac{punct}{tokens}$	21.23	24.02	21.65	20.26
$\frac{contrac}{tokens}$	1.15	0.71	1.06	1.33
$\mu(\overline{tokens})$	3.81	3.84	3.81	3.82
$\sigma(\overline{tokens})$	2.81	2.98	2.85	2.75
$\mu(\overline{knownw})$	5.73	5.86	5.73	5.70
$\sigma(\overline{knownw})$	2.25	2.25	2.28	2.22
$\mu(\overline{knownw \neq})$	6.99	6.54	6.85	6.85
$\sigma(\overline{knownw \neq})$	2.53	2.41	2.53	2.46
$\mu(\overline{stopw})$	2.76	2.72	2.72	2.79
$\sigma(\overline{stopw})$	1.11	1.14	1.11	1.09

TABLE S65. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$tokens$	239130	31280	120073	87779
$tokens_{\%}$	100.00	13.08	50.21	36.71
$tokens \neq$	9.86	20.43	12.50	12.96
$\frac{knownw}{tokens}$	23.86	24.61	24.20	23.14
$\frac{knownw\neq}{knownw}$	4.69	13.39	6.05	7.28
$\frac{stopw}{knownw}$	34.67	33.71	34.21	35.69
$\frac{punct}{tokens}$	29.79	29.42	28.97	31.05
$\frac{contrac}{tokens}$	0.04	0.05	0.03	0.05
$\mu(\overline{tokens})$	3.85	3.91	3.86	3.83
$\sigma(\overline{tokens})$	3.04	3.21	3.01	3.02
$\mu(\overline{knownw})$	4.12	4.03	4.10	4.18
$\sigma(\overline{knownw})$	2.14	2.14	2.17	2.10
$\mu(\overline{knownw \neq})$	5.59	5.03	5.37	5.34
$\sigma(\overline{knownw \neq})$	2.41	2.32	2.34	2.37
$\mu(\overline{stopw})$	2.06	2.10	2.04	2.08
$\sigma(\overline{stopw})$	0.96	1.00	0.96	0.94

TABLE S66. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$tokens$	301823	48466	113579	139778
$tokens_{\%}$	100.00	16.06	37.63	46.31
$tokens \neq$	4.84	9.88	6.41	7.13
$\frac{knownw}{tokens}$	35.21	35.29	34.09	36.09
$\frac{knownw\neq}{knownw}$	6.11	16.12	10.72	9.02
$\frac{stopw}{knownw}$	82.02	82.70	82.49	81.44
$\frac{punct}{tokens}$	23.30	23.54	24.64	22.14
$\frac{contrac}{tokens}$	0.78	0.79	0.90	0.69
$\mu(\overline{tokens})$	3.63	3.62	3.58	3.67
$\sigma(\overline{tokens})$	2.76	2.84	2.80	2.70
$\mu(\overline{knownw})$	5.52	5.51	5.47	5.56
$\sigma(\overline{knownw})$	2.39	2.39	2.33	2.43
$\mu(\overline{knownw \neq})$	6.97	6.56	6.78	6.92
$\sigma(\overline{knownw \neq})$	2.58	2.47	2.49	2.56
$\mu(\overline{stopw})$	2.78	2.72	2.74	2.84
$\sigma(\overline{stopw})$	1.09	1.08	1.09	1.09

TABLE S67. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$tokens$	133676	21746	56924	55007
$tokens_{\%}$	100.00	16.27	42.58	41.15
$tokens \neq$	14.94	25.04	18.90	17.54
$\frac{knownw}{tokens}$	20.48	28.96	18.47	19.22
$\frac{knownw\neq}{knownw}$	11.50	31.24	13.00	11.22
$\frac{stopw}{knownw}$	49.43	73.21	47.22	37.47
$\frac{punct}{tokens}$	25.99	21.22	26.57	27.27
$\frac{contrac}{tokens}$	0.14	0.50	0.06	0.08
$\mu(\overline{tokens})$	4.08	4.09	4.09	4.08
$\sigma(\overline{tokens})$	3.44	3.15	3.48	3.50
$\mu(\overline{knownw})$	4.29	5.30	4.13	3.85
$\sigma(\overline{knownw})$	2.37	2.45	2.42	2.09
$\mu(\overline{knownw \neq})$	6.07	6.22	5.40	5.10
$\sigma(\overline{knownw \neq})$	2.55	2.50	2.46	2.39
$\mu(\overline{stopw})$	2.15	2.70	1.92	1.81
$\sigma(\overline{stopw})$	1.18	1.17	1.09	1.08

TABLE S68. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	**p.**	**i.**	**h.**
$tokens$	93973	19552	23746	50675
$tokens_{\%}$	100.00	20.81	25.27	53.93
$tokens \neq$	9.49	20.97	15.34	10.74
$\frac{knownw}{tokens}$	34.39	33.17	35.10	34.52
$\frac{knownw\neq}{knownw}$	13.66	33.48	24.69	17.43
$\frac{stopw}{knownw}$	95.67	87.79	95.18	98.82
$\frac{punct}{tokens}$	21.31	21.80	20.70	21.41
$\frac{contrac}{tokens}$	1.50	0.94	1.58	1.69
$\mu(\overline{tokens})$	3.70	3.77	3.77	3.65
$\sigma(\overline{tokens})$	2.81	2.87	2.98	2.70
$\mu(\overline{knownw})$	5.52	5.70	5.49	5.47
$\sigma(\overline{knownw})$	2.24	2.35	2.19	2.22
$\mu(\overline{knownw \neq})$	6.65	6.43	6.35	6.45
$\sigma(\overline{knownw \neq})$	2.50	2.46	2.39	2.43
$\mu(\overline{stopw})$	2.80	2.78	2.79	2.81
$\sigma(\overline{stopw})$	1.13	1.11	1.14	1.13

TABLE S69. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	**p.**	**i.**	**h.**
$tokens$	232261	133191	41532	57540
$tokens_{\%}$	100.00	57.34	17.88	24.77
$tokens \neq$	8.21	9.99	12.09	9.97
$\frac{knownw}{tokens}$	35.40	34.02	36.86	37.55
$\frac{knownw\neq}{knownw}$	7.56	7.23	19.66	15.85
$\frac{stopw}{knownw}$	52.09	16.21	96.71	95.72
$\frac{punct}{tokens}$	27.96	35.25	18.43	17.96
$\frac{contrac}{tokens}$	0.36	0.07	0.84	0.68
$\mu(\overline{tokens})$	3.56	3.21	4.00	4.07
$\sigma(\overline{tokens})$	2.66	2.42	2.88	2.87
$\mu(\overline{knownw})$	5.05	4.20	6.03	6.13
$\sigma(\overline{knownw})$	2.54	2.18	2.61	2.56
$\mu(\overline{knownw \neq})$	6.78	6.21	6.81	6.92
$\sigma(\overline{knownw \neq})$	2.64	2.59	2.60	2.61
$\mu(\overline{stopw})$	2.74	2.57	2.78	2.78
$\sigma(\overline{stopw})$	1.08	1.13	1.08	1.06

TABLE S70. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	**p.**	**i.**	**h.**
$tokens$	200500	15394	99960	85147
$tokens_{\%}$	100.00	7.68	49.86	42.47
$tokens \neq$	5.77	19.57	8.78	8.24
$\frac{knownw}{tokens}$	38.26	38.62	38.60	37.79
$\frac{knownw\neq}{knownw}$	9.29	35.41	14.07	14.90
$\frac{stopw}{knownw}$	95.07	97.80	93.27	96.73
$\frac{punct}{tokens}$	16.89	17.06	16.57	17.24
$\frac{contrac}{tokens}$	0.51	0.94	0.44	0.51
$\mu(\overline{tokens})$	3.84	3.86	3.84	3.83
$\sigma(\overline{tokens})$	2.74	2.74	2.69	2.80
$\mu(\overline{knownw})$	5.93	6.03	5.91	5.94
$\sigma(\overline{knownw})$	2.57	2.48	2.57	2.57
$\mu(\overline{knownw \neq})$	7.29	6.83	7.19	7.14
$\sigma(\overline{knownw \neq})$	2.69	2.59	2.69	2.65
$\mu(\overline{stopw})$	2.78	2.76	2.78	2.78
$\sigma(\overline{stopw})$	1.11	1.07	1.10	1.12

TABLE S71. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
$tokens$	119676	36645	65348	17684
$tokens_{\%}$	100.00	30.62	54.60	14.78
$tokens \neq$	7.18	12.06	9.19	17.06
$\frac{knownw}{tokens}$	36.04	35.42	36.35	36.15
$\frac{knownw\neq}{knownw}$	10.17	18.70	13.92	28.44
$\frac{stopw}{knownw}$	81.84	76.96	82.87	87.95
$\frac{punct}{tokens}$	19.23	17.37	20.22	19.44
$\frac{contrac}{tokens}$	0.77	0.64	0.87	0.63
$\mu(\overline{tokens})$	3.67	3.61	3.69	3.68
$\sigma(\overline{tokens})$	2.55	2.47	2.61	2.50
$\mu(\overline{knownw})$	5.50	5.24	5.63	5.58
$\sigma(\overline{knownw})$	2.41	2.49	2.39	2.30
$\mu(\overline{knownw \neq})$	6.68	6.37	6.64	6.35
$\sigma(\overline{knownw \neq})$	2.61	2.60	2.54	2.47
$\mu(\overline{stopw})$	2.77	2.76	2.78	2.77
$\sigma(\overline{stopw})$	1.08	1.06	1.08	1.08

TABLE S72. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

D. Sizes of sentences

1. Snapshots of 1000 messages

	g.	p.	i.	h.
$sents$	4122	539	1382	2203
$sents_{\%}$	99.95	13.07	33.51	53.42
$\mu_S(chars)$	133.04	126.55	129.10	136.97
$\sigma_S(chars)$	126.54	170.00	125.69	113.82
$\mu_S(tokens)$	29.25	27.39	28.44	30.19
$\sigma_S(tokens)$	27.76	37.29	27.71	24.87
$\mu_S(knownw)$	9.19	8.08	8.98	9.58
$\sigma_S(knownw)$	8.01	7.90	8.36	7.78
$\mu_S(stopw)$	9.06	7.72	8.60	9.67
$\sigma_S(stopw)$	7.53	7.02	7.32	7.73
$\mu_S(puncts)$	6.06	5.89	5.75	6.30
$\sigma_S(puncts)$	9.83	14.73	9.47	8.46

TABLE S73. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$sents$	4916	732	1575	2611
$sents_{\%}$	99.96	14.88	32.03	53.09
$\mu_S(chars)$	103.80	117.55	103.22	100.22
$\sigma_S(chars)$	129.26	183.45	113.97	118.84
$\mu_S(tokens)$	22.97	27.73	22.28	22.04
$\sigma_S(tokens)$	32.31	52.34	25.24	28.39
$\mu_S(knownw)$	4.64	5.15	4.67	4.47
$\sigma_S(knownw)$	6.67	8.70	6.11	6.32
$\mu_S(stopw)$	1.63	1.68	1.59	1.65
$\sigma_S(stopw)$	2.38	2.42	2.21	2.47
$\mu_S(puncts)$	6.74	8.18	6.34	6.56
$\sigma_S(puncts)$	11.58	20.16	8.42	9.74

TABLE S74. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$sents$	6348	686	2713	2951
$sents_{\%}$	99.97	10.80	42.72	46.47
$\mu_S(chars)$	121.50	134.25	143.13	98.56
$\sigma_S(chars)$	295.16	265.18	407.75	131.22
$\mu_S(tokens)$	27.45	31.07	32.40	22.03
$\sigma_S(tokens)$	64.86	64.41	87.64	31.13
$\mu_S(knownw)$	7.54	8.53	8.41	6.50
$\sigma_S(knownw)$	11.07	13.05	13.59	7.23
$\mu_S(stopw)$	6.82	7.07	7.53	6.11
$\sigma_S(stopw)$	7.01	7.09	7.60	6.31
$\mu_S(puncts)$	6.61	7.70	8.37	4.73
$\sigma_S(puncts)$	29.24	27.79	40.30	12.66

TABLE S75. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$sents$	5430	3643	455	1334
$sents_{\%}$	99.96	67.07	8.38	24.56
$\mu_S(chars)$	175.81	190.20	219.32	121.38
$\sigma_S(chars)$	617.21	727.56	479.42	150.05
$\mu_S(tokens)$	42.38	46.54	53.84	27.02
$\sigma_S(tokens)$	189.73	225.85	126.24	38.45
$\mu_S(knownw)$	11.93	13.24	14.38	7.52
$\sigma_S(knownw)$	34.19	39.74	31.86	8.66
$\mu_S(stopw)$	7.40	7.66	7.25	6.75
$\sigma_S(stopw)$	10.16	11.41	9.68	5.67
$\mu_S(puncts)$	11.77	12.88	18.85	6.30
$\sigma_S(puncts)$	79.52	94.48	55.42	16.28

TABLE S76. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
$sents$	3210	440	1628	1143
$sents_{\%}$	99.97	13.70	50.70	35.60
$\mu_S(chars)$	135.39	147.01	125.14	145.39
$\sigma_S(chars)$	169.25	187.32	152.73	182.75
$\mu_S(tokens)$	28.36	31.87	26.40	29.78
$\sigma_S(tokens)$	40.96	48.66	40.30	38.39
$\mu_S(knownw)$	4.31	4.64	3.89	4.77
$\sigma_S(knownw)$	7.10	7.78	6.28	7.85
$\mu_S(stopw)$	1.65	1.74	1.44	1.91
$\sigma_S(stopw)$	2.60	2.51	2.24	3.06
$\mu_S(puncts)$	8.34	9.53	7.80	8.63
$\sigma_S(puncts)$	14.82	17.77	15.28	12.70

TABLE S77. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
$sents$	3801	590	942	2271
$sents_{\%}$	99.95	15.51	24.77	59.72
$\mu_S(chars)$	149.16	239.36	150.63	124.99
$\sigma_S(chars)$	297.69	590.81	296.82	135.54
$\mu_S(tokens)$	34.63	56.95	32.42	29.72
$\sigma_S(tokens)$	72.93	150.58	58.66	37.79
$\mu_S(knownw)$	9.96	12.67	9.92	9.26
$\sigma_S(knownw)$	13.45	25.21	9.23	10.00
$\mu_S(stopw)$	8.68	7.59	9.37	8.67
$\sigma_S(stopw)$	7.58	8.09	7.98	7.22
$\mu_S(puncts)$	8.61	17.77	6.23	7.22
$\sigma_S(puncts)$	29.85	64.00	19.41	15.63

TABLE S78. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	**p.**	**i.**	**h.**
$sents$	5008	2032	2001	976
$sents_{\%}$	99.98	40.57	39.95	19.48
$\mu_S(chars)$	143.41	128.61	135.77	189.77
$\sigma_S(chars)$	179.41	171.80	181.92	182.09
$\mu_S(tokens)$	32.39	29.37	30.99	41.52
$\sigma_S(tokens)$	44.25	44.59	44.89	40.88
$\mu_S(knownw)$	9.48	8.07	9.09	13.23
$\sigma_S(knownw)$	9.92	7.62	9.87	12.88
$\mu_S(stopw)$	9.21	7.34	8.24	15.06
$\sigma_S(stopw)$	9.71	7.15	7.59	14.70
$\mu_S(puncts)$	6.57	6.13	6.65	7.33
$\sigma_S(puncts)$	14.10	12.62	17.01	9.76

TABLE S79. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	**p.**	**i.**	**h.**
$sents$	4846	765	2720	1363
$sents_{\%}$	99.96	15.78	56.11	28.11
$\mu_S(chars)$	127.17	137.06	130.14	115.52
$\sigma_S(chars)$	114.05	129.07	117.97	94.20
$\mu_S(tokens)$	26.90	28.67	27.20	25.28
$\sigma_S(tokens)$	27.19	29.52	28.85	21.69
$\mu_S(knownw)$	8.15	8.81	8.19	7.68
$\sigma_S(knownw)$	7.34	10.08	7.10	5.78
$\mu_S(stopw)$	7.89	7.38	8.10	7.75
$\sigma_S(stopw)$	6.63	6.86	6.76	6.22
$\mu_S(puncts)$	5.40	6.14	5.36	5.06
$\sigma_S(puncts)$	10.97	10.85	12.46	7.15

TABLE S80. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	**p.**	**i.**	**h.**
$sents$	13129	832	6892	5407
$sents_{\%}$	99.98	6.34	52.49	41.18
$\mu_S(chars)$	115.91	111.90	121.95	108.78
$\sigma_S(chars)$	92.56	90.52	96.28	87.14
$\mu_S(tokens)$	24.65	23.37	26.43	22.57
$\sigma_S(tokens)$	20.19	19.24	21.47	18.29
$\mu_S(knownw)$	7.77	7.14	7.93	7.65
$\sigma_S(knownw)$	6.13	5.77	6.36	5.87
$\mu_S(stopw)$	8.65	7.50	8.73	8.72
$\sigma_S(stopw)$	6.97	6.65	7.26	6.63
$\mu_S(puncts)$	3.59	4.06	4.10	2.87
$\sigma_S(puncts)$	5.13	5.07	5.44	4.63

TABLE S81. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
$sents$	6943	1347	3512	2085
$sents_{\%}$	99.99	19.40	50.58	30.03
$\mu_S(chars)$	154.08	164.89	158.17	140.14
$\sigma_S(chars)$	326.95	407.00	335.97	241.95
$\mu_S(tokens)$	32.95	37.06	33.59	29.21
$\sigma_S(tokens)$	77.36	109.67	76.77	46.94
$\mu_S(knownw)$	10.00	10.89	10.29	8.92
$\sigma_S(knownw)$	19.48	24.24	20.87	12.20
$\mu_S(stopw)$	7.40	8.10	7.45	6.85
$\sigma_S(stopw)$	6.94	8.11	6.59	6.64
$\mu_S(puncts)$	8.78	10.10	9.21	7.20
$\sigma_S(puncts)$	37.62	51.25	39.10	20.90

TABLE S82. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	**p.**	**i.**	**h.**
$sents$	5872	2452	305	3117
$sents_{\%}$	99.97	41.74	5.19	53.06
$\mu_S(chars)$	188.01	282.66	154.73	116.69
$\sigma_S(chars)$	379.46	544.78	268.44	135.98
$\mu_S(tokens)$	37.93	55.37	33.55	24.63
$\sigma_S(tokens)$	102.15	151.69	54.34	29.14
$\mu_S(knownw)$	8.23	8.06	8.97	8.28
$\sigma_S(knownw)$	15.13	21.01	12.01	8.33
$\mu_S(stopw)$	7.12	5.94	7.30	8.03
$\sigma_S(stopw)$	6.67	7.10	6.61	6.16
$\mu_S(puncts)$	7.82	11.79	9.34	4.54
$\sigma_S(puncts)$	32.29	47.39	22.49	11.15

TABLE S83. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	**p.**	**i.**	**h.**
$sents$	6904	1783	4292	831
$sents_{\%}$	99.97	25.82	62.15	12.03
$\mu_S(chars)$	128.77	139.01	126.25	119.47
$\sigma_S(chars)$	192.59	212.95	180.66	204.77
$\mu_S(tokens)$	28.62	31.15	28.05	26.07
$\sigma_S(tokens)$	45.60	53.71	43.47	36.07
$\mu_S(knownw)$	8.23	8.55	8.07	8.35
$\sigma_S(knownw)$	10.44	12.28	9.88	8.76
$\mu_S(stopw)$	7.56	6.96	7.61	8.52
$\sigma_S(stopw)$	7.26	6.55	7.16	8.91
$\mu_S(puncts)$	5.57	6.26	5.54	4.21
$\sigma_S(puncts)$	14.85	21.47	12.55	5.13

TABLE S84. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	**p.**	**i.**	**h.**
$sents$	6338	1404	2254	2682
$sents_{\%}$	99.97	22.15	35.55	42.30
$\mu_S(chars)$	151.69	214.02	153.30	117.59
$\sigma_S(chars)$	516.16	995.57	311.97	160.49
$\mu_S(tokens)$	36.33	53.84	36.51	26.99
$\sigma_S(tokens)$	148.34	282.11	98.65	43.75
$\mu_S(knownw)$	10.34	15.08	10.45	7.76
$\sigma_S(knownw)$	46.35	90.03	28.23	12.02
$\mu_S(stopw)$	7.16	7.31	7.61	6.70
$\sigma_S(stopw)$	7.34	8.87	7.02	6.65
$\mu_S(puncts)$	10.78	18.21	10.59	7.03
$\sigma_S(puncts)$	66.45	125.67	46.33	17.92

TABLE S85. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	**p.**	**i.**	**h.**
$sents$	3394	455	1213	1728
$sents_{\%}$	99.94	13.40	35.72	50.88
$\mu_S(chars)$	184.37	153.46	201.62	180.18
$\sigma_S(chars)$	381.65	220.05	353.00	430.61
$\mu_S(tokens)$	44.32	36.68	48.94	43.03
$\sigma_S(tokens)$	103.27	60.35	92.84	117.92
$\mu_S(knownw)$	11.29	9.29	12.13	11.23
$\sigma_S(knownw)$	19.13	12.22	17.93	21.27
$\mu_S(stopw)$	8.50	6.82	8.92	8.64
$\sigma_S(stopw)$	8.70	6.09	10.27	8.00
$\mu_S(puncts)$	12.95	10.51	14.58	12.44
$\sigma_S(puncts)$	47.47	26.70	39.23	56.16

TABLE S86. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	**p.**	**i.**	**h.**
$sents$	6904	457	1643	4806
$sents_{\%}$	99.97	6.62	23.79	69.59
$\mu_S(chars)$	132.47	215.74	136.48	123.12
$\sigma_S(chars)$	209.81	513.30	216.83	146.13
$\mu_S(tokens)$	29.34	54.81	29.72	26.77
$\sigma_S(tokens)$	54.56	155.05	44.25	35.39
$\mu_S(knownw)$	9.01	15.65	8.76	8.46
$\sigma_S(knownw)$	13.96	39.42	10.28	9.57
$\mu_S(stopw)$	8.85	9.23	8.42	8.96
$\sigma_S(stopw)$	8.28	10.16	8.19	8.10
$\mu_S(puncts)$	5.98	17.54	6.13	4.82
$\sigma_S(puncts)$	23.07	71.45	15.63	13.48

TABLE S87. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	**p.**	**i.**	**h.**
$sents$	4372	474	880	3020
$sents_{\%}$	99.95	10.84	20.12	69.04
$\mu_S(chars)$	116.45	186.74	126.84	102.31
$\sigma_S(chars)$	170.78	398.65	129.14	106.85
$\mu_S(tokens)$	26.42	45.86	28.76	22.67
$\sigma_S(tokens)$	48.12	124.01	29.99	24.52
$\mu_S(knownw)$	8.09	11.80	8.60	7.36
$\sigma_S(knownw)$	9.69	18.85	8.30	7.57
$\mu_S(stopw)$	8.59	9.00	8.62	8.51
$\sigma_S(stopw)$	8.17	8.96	7.72	8.16
$\mu_S(puncts)$	5.16	14.56	5.98	3.43
$\sigma_S(puncts)$	21.59	60.95	10.56	6.48

TABLE S88. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
$sents$	8489	890	3762	3839
$sents_{\%}$	99.98	10.48	44.31	45.21
$\mu_S(chars)$	133.77	126.93	130.84	138.16
$\sigma_S(chars)$	340.24	171.39	489.09	121.34
$\mu_S(tokens)$	29.21	27.71	28.42	30.32
$\sigma_S(tokens)$	65.83	39.40	93.20	26.64
$\mu_S(knownw)$	9.36	8.52	9.07	9.84
$\sigma_S(knownw)$	12.30	7.78	15.98	8.35
$\mu_S(stopw)$	9.06	7.47	8.62	9.86
$\sigma_S(stopw)$	8.47	6.70	9.09	8.12
$\mu_S(puncts)$	6.23	6.71	6.16	6.18
$\sigma_S(puncts)$	28.34	18.96	40.64	8.62

TABLE S89. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$sents$	10286	1406	5036	3846
$sents_{\%}$	99.98	13.67	48.95	37.38
$\mu_S(chars)$	104.54	101.43	107.50	101.76
$\sigma_S(chars)$	191.13	110.31	169.38	235.95
$\mu_S(tokens)$	23.25	22.25	23.85	22.83
$\sigma_S(tokens)$	47.10	26.79	40.96	58.92
$\mu_S(knownw)$	4.59	4.48	4.76	4.42
$\sigma_S(knownw)$	7.20	5.95	7.71	6.93
$\mu_S(stopw)$	1.59	1.46	1.65	1.56
$\sigma_S(stopw)$	2.40	2.28	2.52	2.29
$\mu_S(puncts)$	6.93	6.55	6.91	7.09
$\sigma_S(puncts)$	17.78	10.01	15.36	22.35

TABLE S90. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$sents$	12232	1918	4210	6106
$sents_{\%}$	99.98	15.68	34.41	49.91
$\mu_S(chars)$	106.31	109.21	114.69	99.58
$\sigma_S(chars)$	181.83	136.96	201.23	179.78
$\mu_S(tokens)$	24.68	25.27	26.98	22.90
$\sigma_S(tokens)$	48.90	34.56	54.47	48.59
$\mu_S(knownw)$	7.00	7.16	7.42	6.65
$\sigma_S(knownw)$	9.88	7.95	9.92	10.38
$\mu_S(stopw)$	6.04	6.17	6.41	5.74
$\sigma_S(stopw)$	6.30	6.05	6.10	6.48
$\mu_S(puncts)$	5.75	5.95	6.65	5.07
$\sigma_S(puncts)$	20.62	13.94	23.75	20.03

TABLE S91. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$sents$	5347	1000	2302	2047
$sents_{\%}$	99.96	18.70	43.04	38.27
$\mu_S(chars)$	121.38	105.41	119.66	130.99
$\sigma_S(chars)$	173.71	101.05	147.74	221.52
$\mu_S(tokens)$	25.02	21.75	24.75	26.88
$\sigma_S(tokens)$	35.69	21.47	34.79	41.63
$\mu_S(knownw)$	4.33	5.35	3.89	4.31
$\sigma_S(knownw)$	5.96	5.24	6.25	5.90
$\mu_S(stopw)$	2.27	3.99	1.96	1.79
$\sigma_S(stopw)$	3.32	4.40	3.20	2.45
$\mu_S(puncts)$	6.51	4.62	6.59	7.34
$\sigma_S(puncts)$	12.24	6.92	12.92	13.34

TABLE S92. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
$sents$	3197	627	751	1821
$sents_{\%}$	99.94	19.60	23.48	56.92
$\mu_S(chars)$	130.59	139.72	143.24	122.08
$\sigma_S(chars)$	153.45	189.58	161.14	134.35
$\mu_S(tokens)$	29.40	31.19	31.63	27.84
$\sigma_S(tokens)$	34.26	41.93	34.73	30.83
$\mu_S(knownw)$	9.14	8.90	10.12	8.81
$\sigma_S(knownw)$	9.20	10.25	9.18	8.78
$\mu_S(stopw)$	8.60	8.06	9.37	8.47
$\sigma_S(stopw)$	7.76	8.65	7.96	7.31
$\mu_S(puncts)$	6.27	6.81	6.55	5.97
$\sigma_S(puncts)$	12.19	14.02	13.13	11.04

TABLE S93. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
$sents$	5088	1323	1517	2250
$sents_{\%}$	99.96	25.99	29.80	44.20
$\mu_S(chars)$	188.54	365.11	130.10	123.96
$\sigma_S(chars)$	1352.96	2638.32	117.71	110.90
$\mu_S(tokens)$	45.66	100.68	27.39	25.58
$\sigma_S(tokens)$	422.76	825.50	25.74	24.63
$\mu_S(knownw)$	11.53	20.34	8.72	8.25
$\sigma_S(knownw)$	72.62	141.47	7.76	7.40
$\mu_S(stopw)$	7.51	4.84	8.74	8.24
$\sigma_S(stopw)$	7.90	8.68	7.49	7.30
$\mu_S(puncts)$	12.77	35.50	5.05	4.60
$\sigma_S(puncts)$	191.36	374.07	8.52	8.15

TABLE S94. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	**p.**	**i.**	**h.**
$sents$	7694	588	3771	3337
$sents_{\%}$	99.97	7.64	49.00	43.36
$\mu_S(chars)$	120.01	121.48	122.43	116.95
$\sigma_S(chars)$	99.78	101.46	100.05	98.99
$\mu_S(tokens)$	26.06	26.19	26.51	25.52
$\sigma_S(tokens)$	23.09	22.12	23.21	23.09
$\mu_S(knownw)$	8.01	8.05	8.05	7.95
$\sigma_S(knownw)$	6.57	7.00	6.61	6.45
$\mu_S(stopw)$	8.48	8.83	8.60	8.28
$\sigma_S(stopw)$	7.07	7.68	7.24	6.75
$\mu_S(puncts)$	4.41	4.48	4.40	4.40
$\sigma_S(puncts)$	6.85	6.00	6.48	7.38

TABLE S95. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
$sents$	4113	1162	2384	569
$sents_{\%}$	99.95	28.24	57.93	13.83
$\mu_S(chars)$	131.76	142.98	123.76	141.93
$\sigma_S(chars)$	159.36	167.63	125.45	243.84
$\mu_S(tokens)$	29.11	31.54	27.42	31.09
$\sigma_S(tokens)$	34.97	37.50	26.97	53.74
$\mu_S(knownw)$	8.64	9.02	8.19	9.73
$\sigma_S(knownw)$	9.17	8.12	7.03	16.20
$\mu_S(stopw)$	7.52	7.48	7.22	8.84
$\sigma_S(stopw)$	7.43	6.67	6.31	11.74
$\mu_S(puncts)$	5.60	5.49	5.55	6.05
$\sigma_S(puncts)$	10.43	9.89	8.96	15.82

TABLE S96. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

E. Messages

1. Snapshots of 1000 messages

	g.	p.	i.	h.
$msgs$	999	120	394	485
$msgs_{\%}$	100.00	12.01	39.44	48.55
$\mu_M(sents)$	4.96	5.40	4.42	5.28
$\sigma_M(sents)$	5.51	4.58	4.30	6.48
$\mu_M(tokens)$	122.21	124.05	101.06	138.95
$\sigma_M(tokens)$	156.44	170.65	109.44	181.18
$\mu_M(knownw)$	38.43	36.65	31.92	44.17
$\sigma_M(knownw)$	46.12	38.27	37.08	53.24
$\mu_M(stopw)$	36.85	34.42	29.74	43.24
$\sigma_M(stopw)$	45.03	35.03	35.08	52.83
$\mu_M(puncts)$	26.39	27.23	21.28	30.33
$\sigma_M(puncts)$	48.68	63.42	25.34	57.68
$\mu_M(chars)$	551.97	573.65	455.12	625.27
$\sigma_M(chars)$	674.26	794.67	502.11	749.84

TABLE S97. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$msgs$	990	144	327	519
$msgs_{\%}$	100.00	14.55	33.03	52.42
$\mu_M(sents)$	5.96	6.05	5.81	6.02
$\sigma_M(sents)$	2.97	3.83	2.73	2.84
$\mu_M(tokens)$	115.01	141.84	108.18	111.87
$\sigma_M(tokens)$	98.22	179.36	64.58	81.30
$\mu_M(knownw)$	23.97	27.06	23.39	23.47
$\sigma_M(knownw)$	17.82	24.77	13.77	17.69
$\mu_M(stopw)$	8.11	8.54	7.68	8.27
$\sigma_M(stopw)$	7.74	7.10	4.34	9.40
$\mu_M(puncts)$	33.51	41.69	30.56	33.11
$\sigma_M(puncts)$	30.96	58.92	19.90	24.31
$\mu_M(chars)$	521.57	603.14	503.16	510.55
$\sigma_M(chars)$	383.91	580.21	307.30	355.04

TABLE S98. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$msgs$	1000	115	348	537
$msgs_{\%}$	100.00	11.50	34.80	53.70
$\mu_M(sents)$	7.25	6.87	8.65	6.43
$\sigma_M(sents)$	6.15	4.83	7.33	5.37
$\mu_M(tokens)$	176.08	187.21	255.09	122.50
$\sigma_M(tokens)$	264.15	245.50	374.55	138.47
$\mu_M(knownw)$	48.29	51.34	66.22	36.02
$\sigma_M(knownw)$	57.71	58.18	77.58	34.88
$\mu_M(stopw)$	42.78	41.57	57.86	33.26
$\sigma_M(stopw)$	47.13	38.80	62.87	31.85
$\mu_M(puncts)$	43.59	47.65	67.52	27.20
$\sigma_M(puncts)$	103.20	92.43	150.25	52.26
$\mu_M(chars)$	777.34	806.06	1123.88	546.63
$\sigma_M(chars)$	1226.60	1039.90	1807.09	568.07

TABLE S99. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$msgs$	848	496	90	262
$msgs_{\%}$	100.00	58.49	10.61	30.90
$\mu_M(sents)$	7.27	8.16	5.99	6.04
$\sigma_M(sents)$	8.59	10.48	4.54	4.49
$\mu_M(tokens)$	272.62	342.71	273.70	139.55
$\sigma_M(tokens)$	504.82	625.09	360.33	116.20
$\mu_M(knownw)$	76.78	97.46	73.24	38.85
$\sigma_M(knownw)$	112.68	136.28	89.23	30.78
$\mu_M(stopw)$	47.10	56.12	36.19	33.78
$\sigma_M(stopw)$	63.93	78.85	30.25	27.77
$\mu_M(puncts)$	76.32	95.30	96.40	33.50
$\sigma_M(puncts)$	210.38	262.51	157.44	40.44
$\mu_M(chars)$	1132.79	1405.79	1113.91	622.46
$\sigma_M(chars)$	1748.97	2128.22	1411.94	489.36

TABLE S100. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
$msgs$	998	121	467	410
$msgs_{\%}$	100.00	12.12	46.79	41.08
$\mu_M(sents)$	4.17	4.60	4.42	3.74
$\sigma_M(sents)$	3.36	4.57	3.25	3.01
$\mu_M(tokens)$	92.14	116.83	92.97	83.91
$\sigma_M(tokens)$	100.80	150.09	96.14	85.49
$\mu_M(knownw)$	14.82	17.85	14.56	14.22
$\sigma_M(knownw)$	18.18	26.13	15.96	17.60
$\mu_M(stopw)$	5.30	6.31	5.02	5.32
$\sigma_M(stopw)$	6.69	7.94	6.15	6.84
$\mu_M(puncts)$	26.82	34.69	27.21	24.05
$\sigma_M(puncts)$	32.43	49.03	31.90	25.81
$\mu_M(chars)$	439.89	538.64	441.75	408.62
$\sigma_M(chars)$	420.57	607.79	386.04	384.61

TABLE S101. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	**p.**	**i.**	**h.**
$msgs$	987	128	315	544
$msgs_{\%}$	100.00	12.97	31.91	55.12
$\mu_M(sents)$	4.70	5.49	3.96	4.93
$\sigma_M(sents)$	4.56	5.58	3.14	4.91
$\mu_M(tokens)$	135.20	263.37	98.49	126.29
$\sigma_M(tokens)$	274.84	622.60	130.08	176.98
$\mu_M(knownw)$	38.96	58.70	30.24	39.37
$\sigma_M(knownw)$	55.82	99.18	30.62	51.57
$\mu_M(stopw)$	32.75	34.80	27.50	35.31
$\sigma_M(stopw)$	37.40	50.55	27.99	38.20
$\mu_M(puncts)$	34.85	82.50	19.91	32.28
$\sigma_M(puncts)$	108.12	258.67	37.96	62.93
$\mu_M(chars)$	577.08	1109.51	452.24	524.09
$\sigma_M(chars)$	1072.10	2365.00	638.17	674.52

TABLE S102. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	**p.**	**i.**	**h.**
$msgs$	997	373	340	284
$msgs_{\%}$	100.00	37.41	34.10	28.49
$\mu_M(sents)$	5.90	6.31	6.76	4.34
$\sigma_M(sents)$	5.83	5.27	7.24	4.06
$\mu_M(tokens)$	164.57	161.23	183.99	145.71
$\sigma_M(tokens)$	206.67	207.77	250.58	131.36
$\mu_M(knownw)$	48.33	44.41	54.13	46.53
$\sigma_M(knownw)$	54.25	45.15	67.74	45.82
$\mu_M(stopw)$	45.54	39.53	47.90	50.60
$\sigma_M(stopw)$	50.37	39.98	60.71	48.12
$\mu_M(puncts)$	34.68	34.36	40.52	28.12
$\sigma_M(puncts)$	54.17	53.39	69.72	25.61
$\mu_M(chars)$	725.53	707.30	806.14	652.95
$\sigma_M(chars)$	879.39	852.82	1075.45	601.20

TABLE S103. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	**p.**	**i.**	**h.**
$msgs$	1000	171	484	345
$msgs_{\%}$	100.00	17.10	48.40	34.50
$\mu_M(sents)$	5.78	5.35	6.55	4.91
$\sigma_M(sents)$	7.20	6.39	8.92	4.10
$\mu_M(tokens)$	131.68	129.29	154.06	101.47
$\sigma_M(tokens)$	214.57	201.99	269.93	96.95
$\mu_M(knownw)$	40.01	39.77	46.53	30.97
$\sigma_M(knownw)$	67.19	67.00	83.26	31.52
$\mu_M(stopw)$	37.80	32.75	45.12	30.04
$\sigma_M(stopw)$	64.94	53.21	83.32	30.50
$\mu_M(puncts)$	27.17	28.26	30.99	21.28
$\sigma_M(puncts)$	47.56	47.81	58.95	22.18
$\mu_M(chars)$	622.09	618.25	739.37	459.46
$\sigma_M(chars)$	1054.80	1022.33	1322.30	456.30

TABLE S104. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	**p.**	**i.**	**h.**
$msgs$	1000	99	337	564
$msgs_{\%}$	100.00	9.90	33.70	56.40
$\mu_M(sents)$	14.09	9.26	21.39	10.57
$\sigma_M(sents)$	16.37	9.35	22.72	10.15
$\mu_M(tokens)$	325.77	197.90	542.84	218.51
$\sigma_M(tokens)$	422.68	197.20	607.01	217.38
$\mu_M(knownw)$	102.78	60.42	163.11	74.17
$\sigma_M(knownw)$	128.42	58.85	181.29	75.41
$\mu_M(stopw)$	113.05	62.70	177.92	83.13
$\sigma_M(stopw)$	141.87	64.40	199.76	85.21
$\mu_M(puncts)$	48.74	35.38	85.54	29.09
$\sigma_M(puncts)$	65.60	37.92	92.24	32.68
$\mu_M(chars)$	1539.83	952.44	2527.69	1052.66
$\sigma_M(chars)$	1981.30	946.94	2831.64	1063.39

TABLE S105. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
$msgs$	995	246	481	268
$msgs_{\%}$	100.00	24.72	48.34	26.93
$\mu_M(sents)$	7.88	6.31	8.19	8.77
$\sigma_M(sents)$	8.56	4.80	10.04	8.17
$\mu_M(tokens)$	231.31	203.93	246.73	228.79
$\sigma_M(tokens)$	342.52	322.50	394.25	244.98
$\mu_M(knownw)$	70.23	59.91	75.62	70.03
$\sigma_M(knownw)$	94.74	77.28	111.29	73.91
$\mu_M(stopw)$	51.24	43.96	54.03	52.89
$\sigma_M(stopw)$	58.82	35.17	68.91	55.85
$\mu_M(puncts)$	62.31	56.19	68.41	56.97
$\sigma_M(puncts)$	144.45	139.69	171.74	80.59
$\mu_M(chars)$	1091.36	910.45	1176.93	1103.85
$\sigma_M(chars)$	1511.77	1232.84	1758.14	1224.29

TABLE S106. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	**p.**	**i.**	**h.**
$msgs$	960	402	68	490
$msgs_{\%}$	100.00	41.88	7.08	51.04
$\mu_M(sents)$	7.04	7.03	5.43	7.28
$\sigma_M(sents)$	9.94	8.07	5.16	11.67
$\mu_M(tokens)$	233.62	338.31	151.68	159.09
$\sigma_M(tokens)$	441.81	582.91	175.60	289.66
$\mu_M(knownw)$	50.82	49.35	40.71	53.43
$\sigma_M(knownw)$	87.75	80.13	46.79	97.43
$\mu_M(stopw)$	43.05	36.23	32.32	50.13
$\sigma_M(stopw)$	76.87	49.45	41.79	96.04
$\mu_M(puncts)$	49.20	72.18	42.87	31.21
$\sigma_M(puncts)$	110.62	152.16	62.51	60.61
$\mu_M(chars)$	1175.54	1775.50	699.03	749.44
$\sigma_M(chars)$	1736.65	2037.58	814.73	1379.21

TABLE S107. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
$msgs$	995	190	639	166
$msgs_{\%}$	100.00	19.10	64.22	16.68
$\mu_M(sents)$	7.83	10.26	7.60	5.92
$\sigma_M(sents)$	6.99	8.86	6.60	4.97
$\mu_M(tokens)$	200.16	293.52	190.02	132.33
$\sigma_M(tokens)$	233.62	359.51	195.06	133.31
$\mu_M(knownw)$	57.52	80.52	54.64	42.25
$\sigma_M(knownw)$	63.04	95.41	53.36	39.68
$\mu_M(stopw)$	51.97	64.96	50.62	42.30
$\sigma_M(stopw)$	51.67	65.12	48.83	40.97
$\mu_M(puncts)$	39.91	59.69	38.58	22.42
$\sigma_M(puncts)$	64.02	115.26	46.13	20.18
$\mu_M(chars)$	902.93	1317.38	856.96	605.54
$\sigma_M(chars)$	1004.60	1459.03	860.78	683.61

TABLE S108. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
$msgs$	970	142	381	447
$msgs_{\%}$	100.00	14.64	39.28	46.08
$\mu_M(sents)$	7.48	10.82	6.82	6.97
$\sigma_M(sents)$	12.86	20.48	5.30	14.05
$\mu_M(tokens)$	239.09	533.75	217.79	163.65
$\sigma_M(tokens)$	500.31	1021.12	288.34	327.74
$\mu_M(knownw)$	68.18	149.68	62.45	47.18
$\sigma_M(knownw)$	145.82	315.73	82.84	77.74
$\mu_M(stopw)$	46.18	71.75	44.36	39.60
$\sigma_M(stopw)$	69.81	134.44	41.53	55.76
$\mu_M(puncts)$	71.92	181.29	64.26	43.70
$\sigma_M(puncts)$	204.52	428.20	124.45	121.15
$\mu_M(chars)$	999.15	2129.11	913.90	712.85
$\sigma_M(chars)$	1904.00	3769.90	1033.08	1395.90

TABLE S109. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
$msgs$	1000	109	318	573
$msgs_{\%}$	100.00	10.90	31.80	57.30
$\mu_M(sents)$	4.32	5.10	4.75	3.93
$\sigma_M(sents)$	4.46	5.05	5.01	3.94
$\mu_M(tokens)$	151.53	154.29	187.84	130.86
$\sigma_M(tokens)$	299.60	323.47	361.27	251.31
$\mu_M(knownw)$	38.82	39.06	46.74	34.38
$\sigma_M(knownw)$	58.92	55.27	75.26	47.75
$\mu_M(stopw)$	28.52	28.23	33.64	25.74
$\sigma_M(stopw)$	30.87	22.48	39.72	25.87
$\mu_M(puncts)$	44.81	44.77	56.50	38.33
$\sigma_M(puncts)$	123.69	144.09	135.01	111.88
$\mu_M(chars)$	628.93	644.19	772.97	546.08
$\sigma_M(chars)$	1142.63	1136.70	1424.91	942.09

TABLE S110. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
$msgs$	996	91	259	646
$msgs_{\%}$	100.00	9.14	26.00	64.86
$\mu_M(sents)$	7.83	5.86	7.29	8.33
$\sigma_M(sents)$	8.20	5.55	7.99	8.53
$\mu_M(tokens)$	205.31	276.57	190.04	201.39
$\sigma_M(tokens)$	271.08	413.07	248.48	252.35
$\mu_M(knownw)$	63.08	79.02	56.02	63.67
$\sigma_M(knownw)$	79.93	107.75	71.93	78.00
$\mu_M(stopw)$	60.74	46.00	53.12	65.87
$\sigma_M(stopw)$	72.63	49.37	68.03	76.51
$\mu_M(puncts)$	43.20	89.12	40.15	37.95
$\sigma_M(puncts)$	87.55	192.34	66.22	67.24
$\mu_M(chars)$	924.07	1089.49	872.41	921.48
$\sigma_M(chars)$	1165.79	1382.27	1173.69	1126.51

TABLE S111. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
$msgs$	999	119	299	581
$msgs_{\%}$	100.00	11.91	29.93	58.16
$\mu_M(sents)$	5.33	4.92	3.89	6.16
$\sigma_M(sents)$	6.04	6.77	3.46	6.73
$\mu_M(tokens)$	117.63	184.12	86.10	120.23
$\sigma_M(tokens)$	199.33	450.51	83.32	147.48
$\mu_M(knownw)$	36.12	47.47	25.84	39.08
$\sigma_M(knownw)$	55.92	110.52	26.68	49.18
$\mu_M(stopw)$	36.89	35.31	24.87	43.41
$\sigma_M(stopw)$	50.33	62.86	28.15	54.96
$\mu_M(puncts)$	24.35	59.23	18.83	20.04
$\sigma_M(puncts)$	75.30	203.57	20.36	27.66
$\mu_M(chars)$	512.61	747.73	375.55	534.98
$\sigma_M(chars)$	797.73	1653.93	370.41	664.71

TABLE S112. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
$msgs$	2000	186	822	992
$msgs_{\%}$	100.00	9.30	41.10	49.60
$\mu_M(sents)$	5.11	5.72	5.49	4.68
$\sigma_M(sents)$	9.33	8.99	12.92	4.67
$\mu_M(tokens)$	125.53	133.51	131.60	119.00
$\sigma_M(tokens)$	259.49	288.74	357.60	118.63
$\mu_M(knownw)$	40.26	41.17	42.06	38.60
$\sigma_M(knownw)$	72.41	84.93	95.40	40.89
$\mu_M(stopw)$	37.90	35.41	38.91	37.53
$\sigma_M(stopw)$	54.68	52.86	66.73	42.58
$\mu_M(puncts)$	27.86	32.71	29.56	25.55
$\sigma_M(puncts)$	95.60	111.25	136.53	25.47
$\mu_M(chars)$	571.03	612.19	603.15	536.70
$\sigma_M(chars)$	1233.47	1381.41	1703.99	548.91

TABLE S113. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$msgs$	1978	277	956	745
$msgs_{\%}$	100.00	14.00	48.33	37.66
$\mu_M(sents)$	6.19	6.06	6.26	6.16
$\sigma_M(sents)$	3.49	3.81	3.84	2.84
$\mu_M(tokens)$	121.82	113.81	126.51	118.78
$\sigma_M(tokens)$	117.10	73.74	108.11	139.03
$\mu_M(knownw)$	24.84	23.62	26.00	23.80
$\sigma_M(knownw)$	17.94	14.60	19.70	16.56
$\mu_M(stopw)$	8.29	7.40	8.71	8.08
$\sigma_M(stopw)$	5.27	4.75	5.88	4.53
$\mu_M(puncts)$	36.07	33.27	36.43	36.65
$\sigma_M(puncts)$	41.09	23.54	36.87	50.29
$\mu_M(chars)$	550.26	520.45	572.39	532.94
$\sigma_M(chars)$	502.46	340.76	477.30	577.53

TABLE S114. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$msgs$	2000	274	636	1090
$msgs_{\%}$	100.00	13.70	31.80	54.50
$\mu_M(sents)$	7.09	7.94	7.59	6.58
$\sigma_M(sents)$	5.62	5.93	5.68	5.45
$\mu_M(tokens)$	152.26	178.49	180.37	129.27
$\sigma_M(tokens)$	252.69	209.23	253.03	260.06
$\mu_M(knownw)$	43.16	50.64	49.62	37.50
$\sigma_M(knownw)$	47.08	52.97	48.49	43.82
$\mu_M(stopw)$	36.54	42.61	41.86	31.90
$\sigma_M(stopw)$	35.99	40.73	36.45	33.72
$\mu_M(puncts)$	36.37	43.04	45.64	29.29
$\sigma_M(puncts)$	93.56	77.23	107.27	87.95
$\mu_M(chars)$	656.35	772.59	765.20	563.62
$\sigma_M(chars)$	886.58	854.25	928.82	858.20

TABLE S115. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$msgs$	1272	151	607	514
$msgs_{\%}$	100.00	11.87	47.72	40.41
$\mu_M(sents)$	5.14	7.56	4.72	4.92
$\sigma_M(sents)$	9.82	26.16	4.03	4.07
$\mu_M(tokens)$	105.95	145.41	94.49	107.88
$\sigma_M(tokens)$	192.95	478.80	95.12	116.10
$\mu_M(knownw)$	18.88	36.24	15.39	17.91
$\sigma_M(knownw)$	71.84	201.30	18.07	19.46
$\mu_M(stopw)$	9.54	26.20	7.42	7.14
$\sigma_M(stopw)$	59.87	170.62	11.66	8.09
$\mu_M(puncts)$	27.47	31.28	24.98	29.29
$\sigma_M(puncts)$	37.59	66.30	29.33	34.28
$\mu_M(chars)$	515.98	704.07	460.52	526.22
$\sigma_M(chars)$	955.93	2397.08	447.87	567.75

TABLE S116. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
$msgs$	884	145	236	503
$msgs_{\%}$	100.00	16.40	26.70	56.90
$\mu_M(sents)$	4.51	5.19	4.14	4.48
$\sigma_M(sents)$	4.19	5.25	3.33	4.18
$\mu_M(tokens)$	108.20	136.45	102.52	102.72
$\sigma_M(tokens)$	119.27	159.06	101.87	112.08
$\mu_M(knownw)$	33.83	39.05	33.07	32.68
$\sigma_M(knownw)$	36.10	43.03	32.80	35.25
$\mu_M(stopw)$	30.39	34.38	28.94	29.93
$\sigma_M(stopw)$	33.34	38.85	30.07	32.99
$\mu_M(puncts)$	24.27	30.71	22.44	23.28
$\sigma_M(puncts)$	34.04	48.35	28.14	31.24
$\mu_M(chars)$	475.02	608.93	457.81	444.49
$\sigma_M(chars)$	523.80	680.06	468.75	489.43

TABLE S117. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	**p.**	**i.**	**h.**
$msgs$	776	103	316	357
$msgs_{\%}$	100.00	13.27	40.72	46.01
$\mu_M(sents)$	7.49	13.67	5.73	7.26
$\sigma_M(sents)$	31.78	85.39	6.02	6.82
$\mu_M(tokens)$	300.69	1294.27	132.87	162.59
$\sigma_M(tokens)$	3300.48	8985.97	156.94	175.05
$\mu_M(knownw)$	76.14	261.61	42.30	52.58
$\sigma_M(knownw)$	630.29	1713.00	52.30	54.85
$\mu_M(stopw)$	48.87	61.83	41.61	51.56
$\sigma_M(stopw)$	129.14	325.73	52.84	55.37
$\mu_M(puncts)$	84.77	456.76	25.34	30.06
$\sigma_M(puncts)$	1320.11	3600.05	32.80	42.29
$\mu_M(chars)$	1248.17	4746.09	628.80	787.20
$\sigma_M(chars)$	11483.70	31226.23	761.31	856.46

TABLE S118. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	**p.**	**i.**	**h.**
$msgs$	642	79	265	298
$msgs_{\%}$	100.00	12.31	41.28	46.42
$\mu_M(sents)$	12.93	8.25	15.17	12.18
$\sigma_M(sents)$	14.62	8.27	15.19	15.04
$\mu_M(tokens)$	314.51	197.11	379.42	287.90
$\sigma_M(tokens)$	372.21	217.94	387.37	379.90
$\mu_M(knownw)$	96.73	60.51	115.25	89.87
$\sigma_M(knownw)$	113.72	70.00	119.12	115.09
$\mu_M(stopw)$	101.25	65.18	121.96	92.40
$\sigma_M(stopw)$	121.57	75.98	126.83	123.27
$\mu_M(puncts)$	54.36	35.08	64.19	50.73
$\sigma_M(puncts)$	62.93	36.68	64.42	65.48
$\mu_M(chars)$	1454.81	915.65	1764.81	1322.06
$\sigma_M(chars)$	1705.27	1020.58	1787.75	1722.31

TABLE S119. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
$msgs$	490	111	284	95
$msgs_{\%}$	100.00	22.65	57.96	19.39
$\mu_M(sents)$	9.28	11.29	9.27	6.96
$\sigma_M(sents)$	10.08	11.09	10.01	8.45
$\mu_M(tokens)$	246.46	332.53	232.48	187.68
$\sigma_M(tokens)$	339.87	472.19	300.97	227.60
$\mu_M(knownw)$	73.19	95.14	69.46	58.69
$\sigma_M(knownw)$	92.11	125.30	80.92	70.90
$\mu_M(stopw)$	62.43	77.40	59.81	52.75
$\sigma_M(stopw)$	62.25	63.25	60.89	62.08
$\mu_M(puncts)$	48.85	59.48	48.53	37.38
$\sigma_M(puncts)$	78.51	84.49	81.95	55.74
$\mu_M(chars)$	1116.57	1510.50	1049.00	858.29
$\sigma_M(chars)$	1452.95	1975.69	1289.54	1046.40

TABLE S120. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

F. POS tags

1. Snapshots of 1000 messages

	g.	p.	i.	h.
NOUN	25.93	26.17	26.79	25.37
X	0.11	0.15	0.14	0.08
ADP	12.13	12.10	11.42	12.56
DET	11.87	11.83	11.65	12.01
VERB	21.95	22.21	21.96	21.89
ADJ	5.76	5.53	5.76	5.81
ADV	7.46	6.89	7.24	7.71
PRT	3.97	4.40	3.95	3.89
PRON	6.91	6.95	7.27	6.69
NUM	0.58	0.58	0.65	0.55
CONJ	3.32	3.19	3.18	3.43
PUNC	0.00	0.00	0.00	0.00

TABLE S121. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 0

	g.	p.	i.	h.
NOUN	66.26	68.10	68.43	64.30
X	0.22	0.23	0.25	0.19
ADP	10.92	8.85	11.09	11.52
DET	4.89	4.07	4.72	5.28
VERB	8.61	8.90	7.76	9.03
ADJ	2.28	3.19	1.87	2.22
ADV	0.77	0.95	0.43	0.92
PRT	3.93	3.38	3.95	4.10
PRON	0.68	0.58	0.37	0.91
NUM	1.13	1.43	0.91	1.15
CONJ	0.32	0.31	0.22	0.38
PUNC	0.00	0.00	0.00	0.00

TABLE S122. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 2

	g.	p.	i.	h.
NOUN	30.58	31.88	30.73	30.03
X	0.13	0.13	0.17	0.08
ADP	11.89	11.48	12.20	11.63
DET	11.22	10.32	10.43	12.39
VERB	21.54	21.47	21.43	21.69
ADJ	5.76	5.79	5.67	5.85
ADV	6.36	6.00	6.49	6.32
PRT	3.76	3.89	3.60	3.91
PRON	5.77	5.81	5.96	5.54
NUM	0.80	0.83	0.81	0.78
CONJ	2.20	2.39	2.51	1.78
PUNC	0.00	0.00	0.00	0.00

TABLE S123. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 3

	g.	p.	i.	h.
NOUN	36.80	38.78	37.06	28.71
X	0.12	0.13	0.16	0.06
ADP	9.40	8.90	9.29	11.49
DET	9.40	9.22	8.41	10.61
VERB	20.44	19.91	19.61	22.99
ADJ	6.53	6.61	6.61	6.19
ADV	5.40	5.45	4.04	5.91
PRT	2.60	2.34	2.59	3.63
PRON	5.70	5.27	6.82	6.85
NUM	1.17	0.91	3.36	1.10
CONJ	2.44	2.48	2.05	2.46
PUNC	0.00	0.00	0.00	0.00

TABLE S124. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 6

	g.	p.	i.	h.
NOUN	56.41	54.30	58.05	55.29
X	2.83	2.74	2.65	3.08
ADP	2.94	3.00	2.44	3.52
DET	14.58	12.50	14.72	15.24
VERB	9.65	12.30	8.99	9.38
ADJ	7.82	7.93	7.93	7.64
ADV	1.33	2.10	1.15	1.24
PRT	1.81	1.92	1.59	2.04
PRON	1.06	0.58	1.08	1.23
NUM	1.30	2.19	1.15	1.12
CONJ	0.27	0.44	0.24	0.22
PUNC	0.00	0.00	0.00	0.00

TABLE S125. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 7

	g.	p.	i.	h.
NOUN	29.47	50.14	25.23	23.74
X	0.22	0.77	0.11	0.06
ADP	11.36	8.17	12.04	12.24
DET	10.26	8.06	11.50	10.51
VERB	21.12	14.58	22.56	22.90
ADJ	5.57	5.45	5.39	5.70
ADV	7.91	3.27	8.36	9.43
PRT	3.64	2.54	4.10	3.85
PRON	6.54	4.33	6.66	7.30
NUM	1.26	0.85	1.15	1.46
CONJ	2.64	1.85	2.89	2.81
PUNC	0.00	0.00	0.00	0.00

TABLE S126. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 8

	g.	p.	i.	h.
NOUN	29.04	31.04	29.93	25.39
X	0.17	0.22	0.16	0.13
ADP	11.97	11.09	11.46	13.74
DET	11.52	11.09	11.46	12.12
VERB	21.76	21.54	21.36	22.58
ADJ	5.64	5.64	6.01	5.14
ADV	6.13	5.40	6.18	6.97
PRT	3.74	3.70	3.87	3.61
PRON	6.22	6.18	6.04	6.50
NUM	0.66	0.72	0.60	0.68
CONJ	3.14	3.38	2.94	3.12
PUNC	0.00	0.00	0.00	0.00

TABLE S127. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 9

	g.	p.	i.	h.
NOUN	27.23	31.28	27.43	24.40
X	0.45	0.57	0.43	0.40
ADP	12.51	12.04	12.89	12.00
DET	11.52	10.67	12.02	10.99
VERB	21.56	20.18	20.85	23.88
ADJ	6.93	7.45	6.92	6.64
ADV	6.23	5.32	6.22	6.80
PRT	3.79	3.21	3.75	4.24
PRON	6.32	5.50	6.04	7.38
NUM	0.55	0.44	0.58	0.54
CONJ	2.91	3.32	2.86	2.75
PUNC	0.00	0.00	0.00	0.00

TABLE S128. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 10

	g.	p.	i.	h.
NOUN	26.68	27.95	28.60	23.87
X	0.30	0.33	0.30	0.29
ADP	14.64	14.17	15.05	14.15
DET	13.35	13.13	13.24	13.52
VERB	18.52	18.71	17.58	19.77
ADJ	7.60	7.57	7.73	7.42
ADV	6.95	6.68	6.43	7.69
PRT	2.97	2.52	2.82	3.23
PRON	5.30	4.83	4.35	6.67
NUM	0.75	0.83	0.83	0.63
CONJ	2.95	3.29	3.06	2.76
PUNC	0.00	0.00	0.00	0.00

TABLE S129. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 11

	g.	p.	i.	h.
NOUN	35.49	36.23	35.21	35.46
X	0.15	0.18	0.16	0.12
ADP	10.86	10.76	10.98	10.72
DET	11.01	11.57	10.73	11.08
VERB	21.22	20.37	21.07	22.16
ADJ	5.36	5.14	5.52	5.26
ADV	4.79	4.77	4.79	4.78
PRT	3.35	3.18	3.38	3.42
PRON	4.84	4.58	5.15	4.45
NUM	0.55	0.81	0.51	0.44
CONJ	2.38	2.44	2.50	2.12
PUNC	0.00	0.00	0.00	0.00

TABLE S130. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 12

	g.	p.	i.	h.
NOUN	34.47	47.44	29.78	24.21
X	0.41	0.72	0.09	0.19
ADP	11.11	9.60	11.44	12.33
DET	11.02	10.30	10.64	11.66
VERB	18.35	12.49	22.55	22.79
ADJ	5.82	5.44	5.96	6.12
ADV	6.40	3.71	6.27	8.64
PRT	3.07	2.53	3.32	3.50
PRON	5.68	4.11	6.44	6.91
NUM	0.80	0.93	0.96	0.67
CONJ	2.86	2.74	2.55	2.99
PUNC	0.00	0.00	0.00	0.00

TABLE S131. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 13

	g.	p.	i.	h.
NOUN	31.95	38.91	29.86	26.68
X	0.15	0.35	0.08	0.06
ADP	11.47	10.42	11.67	12.83
DET	11.56	10.71	11.81	12.29
VERB	21.13	18.82	21.99	22.04
ADJ	4.89	4.55	4.97	5.25
ADV	5.39	4.26	5.57	7.07
PRT	3.83	3.43	3.99	3.92
PRON	5.85	5.10	6.10	6.28
NUM	1.00	0.85	1.08	0.88
CONJ	2.78	2.60	2.88	2.71
PUNC	0.00	0.00	0.00	0.00

TABLE S132. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 15

	g.	p.	i.	h.
NOUN	36.14	49.77	32.27	28.41
X	0.63	0.94	0.67	0.33
ADP	10.52	8.21	10.97	12.05
DET	9.62	7.84	9.88	10.89
VERB	20.13	15.75	21.14	22.88
ADJ	4.93	4.09	5.17	5.40
ADV	6.15	3.75	6.76	7.60
PRT	3.36	2.51	3.95	3.46
PRON	5.08	3.99	5.72	5.34
NUM	1.04	1.11	1.02	1.01
CONJ	2.38	2.04	2.43	2.63
PUNC	0.00	0.00	0.00	0.00

TABLE S133. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 16

	g.	p.	i.	h.
NOUN	34.66	36.42	35.75	33.44
X	0.11	0.14	0.10	0.11
ADP	10.41	10.58	10.06	10.64
DET	9.53	8.75	9.38	9.82
VERB	21.89	21.10	22.03	21.96
ADJ	5.79	5.32	5.84	5.85
ADV	5.71	5.17	5.61	5.90
PRT	3.19	3.31	3.17	3.18
PRON	5.31	5.53	4.89	5.59
NUM	0.95	1.01	0.73	1.11
CONJ	2.46	2.68	2.45	2.42
PUNC	0.00	0.00	0.00	0.00

TABLE S134. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 17

	g.	p.	i.	h.
NOUN	26.73	42.97	28.30	23.87
X	0.21	0.16	0.39	0.16
ADP	11.91	8.94	11.60	12.44
DET	11.99	9.29	11.25	12.63
VERB	21.60	17.01	21.59	22.25
ADJ	6.31	6.37	6.25	6.33
ADV	7.49	5.09	7.33	7.89
PRT	3.86	2.56	3.70	4.10
PRON	6.08	4.30	5.87	6.41
NUM	0.84	1.01	0.81	0.82
CONJ	2.98	2.30	2.91	3.10
PUNC	0.00	0.00	0.00	0.00

TABLE S135. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 18

	g.	p.	i.	h.
NOUN	23.67	37.15	24.28	20.56
X	0.07	0.12	0.13	0.04
ADP	12.04	10.91	11.90	12.33
DET	11.37	8.67	11.05	12.06
VERB	23.68	19.69	23.75	24.52
ADJ	6.00	5.74	6.12	6.02
ADV	7.52	5.27	7.19	8.12
PRT	4.04	3.15	3.73	4.33
PRON	7.88	5.47	8.08	8.34
NUM	0.73	1.02	0.64	0.70
CONJ	2.99	2.81	3.14	2.98
PUNC	0.00	0.00	0.00	0.00

TABLE S136. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
NOUN	26.96	28.92	27.06	26.50
X	0.11	0.12	0.05	0.16
ADP	11.76	10.72	11.31	12.36
DET	12.02	11.94	11.88	12.17
VERB	22.08	22.46	22.47	21.65
ADJ	5.77	6.31	5.91	5.54
ADV	7.14	6.48	6.82	7.56
PRT	4.03	3.59	4.23	3.95
PRON	6.45	6.04	6.66	6.34
NUM	0.61	0.53	0.64	0.60
CONJ	3.06	2.89	2.97	3.17
PUNC	0.00	0.00	0.00	0.00

TABLE S137. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 0

	g.	p.	i.	h.
NOUN	67.69	69.80	67.72	66.86
X	0.28	0.35	0.26	0.28
ADP	10.99	10.54	10.39	11.99
DET	4.79	4.25	4.78	5.00
VERB	7.63	7.53	7.71	7.57
ADJ	1.99	1.60	2.10	1.99
ADV	0.69	0.53	0.74	0.67
PRT	3.86	3.35	3.98	3.89
PRON	0.65	0.57	0.67	0.66
NUM	1.22	1.28	1.40	0.93
CONJ	0.21	0.18	0.25	0.16
PUNC	0.00	0.00	0.00	0.00

TABLE S138. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 2

	g.	p.	i.	h.
NOUN	29.79	30.11	29.87	29.61
X	0.12	0.12	0.20	0.05
ADP	11.19	11.39	11.29	11.04
DET	10.91	10.48	10.19	11.62
VERB	21.65	21.35	21.64	21.76
ADJ	6.91	6.78	6.37	7.36
ADV	6.55	6.01	6.73	6.59
PRT	3.76	3.68	3.70	3.84
PRON	5.92	6.35	6.52	5.30
NUM	0.52	0.58	0.53	0.49
CONJ	2.69	3.15	2.95	2.34
PUNC	0.00	0.00	0.00	0.00

TABLE S139. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 3

	g.	p.	i.	h.
NOUN	50.03	36.22	51.39	58.96
X	2.18	0.73	2.58	2.85
ADP	5.00	9.49	3.73	2.99
DET	14.24	12.44	15.95	13.78
VERB	12.19	17.24	11.42	9.23
ADJ	6.34	7.15	6.22	5.85
ADV	3.01	5.87	2.16	1.77
PRT	2.37	3.73	2.13	1.60
PRON	2.32	3.94	1.74	1.72
NUM	0.87	0.88	0.97	0.74
CONJ	1.44	2.31	1.71	0.52
PUNC	0.00	0.00	0.00	0.00

TABLE S140. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 7

	g.	p.	i.	h.
NOUN	25.23	28.32	25.48	24.03
X	0.16	0.15	0.17	0.16
ADP	12.08	12.01	11.89	12.19
DET	10.86	10.95	11.18	10.67
VERB	22.54	20.96	22.97	22.89
ADJ	5.91	6.56	5.37	5.94
ADV	8.58	6.84	8.55	9.20
PRT	3.87	3.58	3.91	3.94
PRON	6.86	6.13	6.93	7.08
NUM	1.10	1.21	0.96	1.13
CONJ	2.82	3.29	2.58	2.76
PUNC	0.00	0.00	0.00	0.00

TABLE S141. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 8

	g.	p.	i.	h.
NOUN	27.50	26.29	27.88	27.27
X	0.37	0.23	0.39	0.37
ADP	13.99	13.62	14.41	13.56
DET	12.47	12.94	12.66	12.17
VERB	18.71	19.95	18.29	18.97
ADJ	8.24	7.56	8.35	8.23
ADV	6.93	6.91	6.73	7.16
PRT	2.89	3.19	2.80	2.93
PRON	5.06	5.58	4.51	5.60
NUM	0.81	0.62	0.89	0.76
CONJ	3.05	3.10	3.09	2.98
PUNC	0.00	0.00	0.00	0.00

TABLE S143. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 11

	g.	p.	i.	h.
NOUN	44.31	69.47	25.81	26.15
X	2.29	4.76	0.62	0.39
ADP	9.35	4.87	12.60	12.61
DET	8.22	4.19	11.26	11.06
VERB	15.09	6.37	21.76	21.19
ADJ	6.11	4.71	7.06	7.17
ADV	4.42	1.52	6.43	6.59
PRT	2.78	1.06	4.10	3.98
PRON	4.83	2.00	6.78	6.98
NUM	0.45	0.24	0.59	0.61
CONJ	2.16	0.81	2.97	3.27
PUNC	0.00	0.00	0.00	0.00

TABLE S142. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 10

	g.	p.	i.	h.
NOUN	32.59	35.11	31.90	30.26
X	0.31	0.77	0.11	0.15
ADP	11.64	10.74	11.89	12.49
DET	11.36	11.10	11.44	11.52
VERB	20.82	20.14	21.18	20.82
ADJ	5.27	4.97	5.29	5.78
ADV	5.40	5.03	5.57	5.53
PRT	3.34	3.06	3.40	3.69
PRON	5.26	5.32	5.09	5.78
NUM	0.94	0.81	1.00	1.00
CONJ	3.06	2.94	3.14	2.99
PUNC	0.00	0.00	0.00	0.00

TABLE S144. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 15

G. Wordnet synsets

1. Snapshots of 1000 messages

	g.	p.	i.	h.
N	54.73	54.70	54.13	55.09
ADJ	11.33	10.98	11.14	11.51
VERB	6.34	6.03	5.92	6.65
ADV	27.61	28.29	28.81	26.75
POS	32.80	31.22	33.19	32.92
POS!	96.27	96.20	96.27	96.29

TABLE S145. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 0

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S146. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 0

	g.	p.	i.	h.
abstraction.n.06	72.61	73.70	71.38	73.10
physical_entity.n.01	27.39	26.30	28.62	26.90
total	100.00	100.00	100.00	100.00

TABLE S147. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
psychological_feature.n.01	21.89	24.04	21.55	21.64
communication.n.02	20.47	20.39	19.81	20.88
object.n.01	15.50	14.08	15.71	15.66
measure.n.02	12.98	13.05	13.52	12.65
attribute.n.02	7.24	6.62	6.28	7.93
causal_agent.n.01	6.50	6.23	7.21	6.14
group.n.01	6.41	6.62	6.77	6.15
matter.n.03	4.39	5.36	4.63	4.05
relation.n.01	3.60	2.98	3.46	3.81
process.n.06	0.53	0.36	0.57	0.54
thing.n.12	0.48	0.28	0.50	0.51
set.n.02	0.02	0.00	0.00	0.03
total	100.00	100.00	100.00	100.00

TABLE S148. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
cognition.n.01	15.36	16.39	14.56	15.61
whole.n.02	13.18	12.36	13.64	13.07
event.n.01	13.04	15.33	13.14	12.50
definite_quantity.n.01	12.99	13.00	13.18	12.88
message.n.02	11.91	10.50	11.24	12.59
person.n.01	8.44	8.22	9.24	8.02
location.n.01	5.87	5.09	5.97	5.96
written_communication.n.01	4.78	4.14	4.20	5.26
substance.n.01	4.41	5.78	5.07	3.75
state.n.02	3.92	3.98	3.69	4.04
collection.n.01	3.49	3.34	3.35	3.60
part.n.01	2.62	1.86	2.71	2.72
total	100.00	100.00	100.00	100.00

TABLE S149. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
N	87.54	86.77	89.05	86.90
ADJ	3.25	4.25	2.68	3.24
VERB	0.33	0.26	0.17	0.45
ADV	8.88	8.72	8.11	9.41
POS	22.53	22.95	22.43	22.44
POS!	96.32	95.69	96.34	96.55

TABLE S150. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 2

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S151. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 2

	g.	p.	i.	h.
abstraction.n.06	64.40	63.62	62.39	65.94
physical_entity.n.01	35.60	36.38	37.61	34.06
total	100.00	100.00	100.00	100.00

TABLE S152. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
communication.n.02	25.52	20.61	26.92	26.41
matter.n.03	17.08	18.58	17.92	16.00
psychological_feature.n.01	16.36	13.39	16.75	17.18
measure.n.02	11.85	14.92	8.72	12.69
causal_agent.n.01	9.52	7.82	9.96	9.85
object.n.01	8.59	9.40	9.39	7.80
attribute.n.02	7.97	10.10	7.45	7.53
relation.n.01	1.47	2.65	1.24	1.19
group.n.01	1.24	1.95	1.31	0.94
thing.n.12	0.22	0.30	0.20	0.20
process.n.06	0.20	0.27	0.13	0.21
total	100.00	100.00	100.00	100.00

TABLE S153. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
message.n.02	23.95	17.89	25.54	25.06
substance.n.01	15.74	18.12	16.15	14.67
definite_quantity.n.01	11.47	14.63	8.73	12.09
event.n.01	11.00	9.94	11.31	11.17
person.n.01	10.16	8.56	10.50	10.49
whole.n.02	7.39	7.98	8.07	6.76
cognition.n.01	6.67	5.04	6.64	7.26
property.n.02	5.79	7.92	5.43	5.28
substance.n.07	2.48	2.49	2.77	2.29
state.n.02	2.24	2.38	2.11	2.28
location.n.01	1.58	2.24	1.64	1.31
signal.n.01	1.53	2.80	1.12	1.35
total	100.00	100.00	100.00	100.00

TABLE S154. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
N	59.89	60.11	61.10	58.31
ADJ	10.45	10.20	10.29	10.73
VERB	5.14	4.34	4.88	5.70
ADV	24.53	25.35	23.72	25.27
POS	33.31	33.40	32.09	34.93
POS!	93.78	93.50	93.33	94.44

TABLE S155. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 3

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S156. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 3

	g.	p.	i.	h.
abstraction.n.06	67.98	66.54	68.94	67.20
physical_entity.n.01	32.02	33.46	31.06	32.80
total	100.00	100.00	100.00	100.00

TABLE S157. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
measure.n.02	19.35	18.06	22.53	15.62
psychological_feature.n.01	19.18	17.31	17.58	21.87
object.n.01	19.12	20.33	19.00	18.88
communication.n.02	16.42	18.50	16.52	15.62
causal_agent.n.01	7.03	7.83	6.67	7.23
attribute.n.02	6.84	6.45	6.35	7.60
matter.n.03	4.73	4.35	4.43	5.24
relation.n.01	3.14	2.99	3.10	3.25
group.n.01	3.05	3.22	2.85	3.24
thing.n.12	0.72	0.47	0.60	0.95
process.n.06	0.43	0.49	0.35	0.50
set.n.02	0.00	0.00	0.01	0.00
total	100.00	100.00	100.00	100.00

TABLE S158. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
definite_quantity.n.01	20.32	18.86	23.85	16.08
event.n.01	17.51	15.85	15.23	21.13
whole.n.02	13.89	16.34	12.16	15.38
person.n.01	8.57	9.34	8.07	9.00
message.n.02	6.86	10.20	6.48	6.23
cognition.n.01	6.48	5.30	6.57	6.76
message.n.01	5.74	5.59	6.01	5.44
location.n.01	4.81	5.16	4.25	5.45
land.n.04	4.50	2.89	6.42	2.47
substance.n.01	4.21	4.10	3.84	4.74
written_communication.n.01	3.86	3.24	3.91	4.00
state.n.02	3.25	3.12	3.22	3.32
total	100.00	100.00	100.00	100.00

TABLE S159. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
N	63.16	63.94	65.35	58.18
ADJ	10.16	9.98	10.06	11.02
VERB	4.13	4.27	2.25	4.65
ADV	22.55	21.80	22.34	26.15
POS	32.19	32.43	29.91	32.61
POS!	90.96	90.02	92.74	94.47

TABLE S160. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 6

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S161. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 6

	g.	p.	i.	h.
abstraction.n.06	67.32	67.18	69.55	66.45
physical_entity.n.01	32.68	32.82	30.45	33.55
total	100.00	100.00	100.00	100.00

TABLE S162. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
measure.n.02	16.62	14.03	30.39	20.30
object.n.01	16.43	16.22	14.39	18.97
psychological_feature.n.01	14.20	12.66	17.44	19.83
attribute.n.02	13.84	16.65	4.93	5.57
communication.n.02	13.76	14.05	9.59	15.22
matter.n.03	7.17	7.64	8.19	4.02
causal_agent.n.01	6.61	6.33	5.58	8.79
group.n.01	5.33	5.86	4.18	3.44
relation.n.01	3.57	3.93	3.03	2.08
thing.n.12	1.53	1.51	1.92	1.33
process.n.06	0.94	1.11	0.38	0.44
set.n.02	0.00	0.00	0.00	0.01
total	100.00	100.00	100.00	100.00

TABLE S163. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
definite_quantity.n.01	17.70	14.35	34.59	21.71
whole.n.02	13.00	12.89	9.75	15.79
property.n.02	10.26	13.49	1.75	0.98
event.n.01	9.61	9.01	10.93	11.51
person.n.01	8.14	7.93	6.55	10.26
cognition.n.01	8.05	7.06	9.58	11.62
substance.n.01	7.60	8.16	8.99	3.98
location.n.01	6.94	7.31	6.77	5.32
message.n.02	6.21	5.43	5.10	10.66
signal.n.01	5.54	7.37	0.30	0.60
state.n.02	4.19	4.32	3.23	4.20
written_communication.n.01	2.77	2.68	2.49	3.38
total	100.00	100.00	100.00	100.00

TABLE S164. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
N	83.39	81.57	84.31	83.07
ADJ	9.77	8.97	9.77	10.14
VERB	0.23	0.50	0.21	0.14
ADV	6.61	8.97	5.71	6.65
POS	19.19	21.39	19.14	18.34
POS!	89.88	90.28	88.84	91.09

TABLE S165. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 7

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S166. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 7

	g.	p.	i.	h.
abstraction.n.06	70.20	73.68	69.46	69.56
physical_entity.n.01	29.80	26.32	30.54	30.44
total	100.00	100.00	100.00	100.00

TABLE S167. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
measure.n.02	23.38	33.02	22.93	19.43
communication.n.02	20.63	17.29	20.43	22.48
object.n.01	12.53	13.16	12.46	12.32
attribute.n.02	12.07	9.64	11.95	13.38
matter.n.03	9.30	6.33	10.17	9.54
psychological_feature.n.01	6.99	6.70	7.11	6.98
causal_agent.n.01	6.46	5.11	6.53	7.00
group.n.01	4.63	4.17	4.51	5.01
relation.n.01	2.49	2.86	2.52	2.27
thing.n.12	0.97	0.61	1.04	1.06
process.n.06	0.54	1.10	0.35	0.52
total	100.00	100.00	100.00	100.00

TABLE S168. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
definite_quantity.n.01	24.93	34.96	24.85	20.45
written_communication.n.01	18.51	13.92	18.93	20.05
whole.n.02	11.08	12.50	11.06	10.45
shape.n.02	9.74	7.13	9.61	11.09
substance.n.01	8.65	5.76	9.12	9.34
person.n.01	5.81	5.03	5.70	6.31
event.n.01	5.17	4.93	5.26	5.16
social_group.n.01	4.50	2.98	4.58	5.09
state.n.02	3.27	3.66	3.01	3.42
cognition.n.01	2.97	2.98	3.06	2.85
message.n.02	2.76	3.37	2.49	2.85
location.n.01	2.62	2.78	2.32	2.93
total	100.00	100.00	100.00	100.00

TABLE S169. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
N	58.77	74.95	55.26	52.55
ADJ	10.09	8.17	10.32	10.93
VERB	7.05	2.33	7.71	9.04
ADV	24.08	14.56	26.72	27.48
POS	32.49	31.71	33.30	32.51
POS!	94.78	92.60	94.90	95.81

TABLE S170. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 8

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S171. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 8

	g.	p.	i.	h.
abstraction.n.06	67.39	68.44	66.20	67.24
physical_entity.n.01	32.61	31.56	33.80	32.76
total	100.00	100.00	100.00	100.00

TABLE S172. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
measure.n.02	22.89	17.29	24.49	25.97
object.n.01	21.17	17.58	23.73	22.41
communication.n.02	13.53	17.01	10.89	12.41
psychological_feature.n.01	13.33	8.54	16.29	15.20
attribute.n.02	9.52	16.38	6.91	6.03
matter.n.03	6.25	8.50	4.18	5.70
group.n.01	5.27	6.78	5.06	4.34
causal_agent.n.01	4.14	4.33	4.91	3.62
relation.n.01	2.85	2.44	2.56	3.28
process.n.06	0.56	0.60	0.61	0.52
thing.n.12	0.49	0.54	0.37	0.51
total	100.00	100.00	100.00	100.00

TABLE S173. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
definite_quantity.n.01	23.28	14.49	25.61	27.81
whole.n.02	21.81	15.45	24.58	24.57
event.n.01	9.34	6.16	11.41	10.38
cognition.n.01	7.08	5.07	8.26	7.80
substance.n.01	6.37	9.14	4.47	5.51
message.n.02	6.23	4.16	6.30	7.53
property.n.02	5.74	13.97	2.20	2.14
signal.n.01	4.60	13.03	0.62	1.10
location.n.01	4.28	7.09	4.16	2.53
person.n.01	4.24	5.28	4.67	3.37
written_communication.n.01	3.57	3.25	4.07	3.53
state.n.02	3.47	2.93	3.66	3.73
total	100.00	100.00	100.00	100.00

TABLE S174. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
N	59.96	61.65	60.47	56.66
ADJ	10.30	10.26	10.61	9.88
VERB	4.74	3.61	4.92	6.11
ADV	25.00	24.48	23.99	27.34
POS	34.04	33.85	34.40	33.78
POS!	91.76	89.58	93.02	93.13

TABLE S175. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 9

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S176. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 9

	g.	p.	i.	h.
abstraction.n.06	70.92	69.85	72.33	70.27
physical_entity.n.01	29.08	30.15	27.67	29.73
total	100.00	100.00	100.00	100.00

TABLE S177. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
measure.n.02	20.50	23.18	21.92	13.83
communication.n.02	17.49	16.15	16.78	20.84
psychological_feature.n.01	16.34	15.23	16.12	18.46
object.n.01	16.20	15.42	15.69	18.32
group.n.01	8.13	7.61	8.51	8.34
causal_agent.n.01	7.02	8.47	6.41	5.72
attribute.n.02	6.30	5.54	7.14	6.10
matter.n.03	4.53	5.13	4.22	4.06
relation.n.01	2.14	2.11	1.84	2.69
process.n.06	0.67	0.55	0.65	0.90
thing.n.12	0.66	0.58	0.69	0.72
set.n.02	0.02	0.02	0.02	0.00
total	100.00	100.00	100.00	100.00

TABLE S178. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
definite_quantity.n.01	21.68	24.94	23.07	14.06
whole.n.02	13.86	13.27	12.72	16.76
event.n.01	12.37	12.39	11.85	13.22
message.n.02	9.14	8.53	8.75	10.78
person.n.01	8.03	9.99	7.21	6.32
cognition.n.01	7.28	6.12	7.26	9.20
collection.n.01	6.40	5.10	7.11	7.28
written_communication.n.01	5.66	4.78	5.24	7.80
location.n.01	4.97	4.76	5.44	4.48
substance.n.01	4.12	4.39	3.95	3.97
property.n.02	3.26	2.56	3.88	3.31
state.n.02	3.23	3.16	3.53	2.83
total	100.00	100.00	100.00	100.00

TABLE S179. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
N	56.34	59.22	57.54	51.90
ADJ	12.99	13.42	13.02	12.63
VERB	5.64	4.82	5.47	6.54
ADV	25.03	22.53	23.97	28.93
POS	34.29	35.15	34.07	34.23
POS!	95.67	95.33	95.78	95.65

TABLE S180. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 10

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S181. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 10

	g.	p.	i.	h.
abstraction.n.06	74.14	73.26	74.41	74.17
physical_entity.n.01	25.86	26.74	25.59	25.83
total	100.00	100.00	100.00	100.00

TABLE S182. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
communication.n.02	25.32	24.70	24.15	28.56
psychological_feature.n.01	17.57	16.71	18.07	17.01
measure.n.02	16.95	15.83	17.81	15.75
object.n.01	10.30	11.56	10.46	8.99
causal_agent.n.01	8.57	8.67	9.24	6.93
matter.n.03	6.08	5.76	5.01	8.87
attribute.n.02	5.43	6.96	5.36	4.46
group.n.01	4.97	6.24	4.76	4.49
relation.n.01	3.89	2.78	4.25	3.87
process.n.06	0.50	0.44	0.54	0.47
thing.n.12	0.40	0.31	0.35	0.57
set.n.02	0.01	0.02	0.00	0.02
total	100.00	100.00	100.00	100.00

TABLE S183. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
definite_quantity.n.01	15.54	14.38	16.48	14.17
event.n.01	14.27	14.46	13.97	14.86
message.n.02	12.87	13.33	11.82	15.05
person.n.01	10.99	11.26	11.74	9.01
cognition.n.01	8.71	7.76	9.51	7.48
whole.n.02	7.46	7.64	7.95	6.17
substance.n.01	6.43	6.53	5.57	8.41
indication.n.01	5.73	5.07	5.50	6.79
location.n.01	5.41	6.85	5.08	5.13
language.n.01	5.05	4.58	5.89	3.39
fundamental_quantity.n.01	3.89	4.40	3.86	3.60
written_communication.n.01	3.64	3.73	2.65	5.95
total	100.00	100.00	100.00	100.00

TABLE S184. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
N	56.32	57.73	58.82	52.33
ADJ	15.07	14.46	14.96	15.33
VERB	7.08	6.94	6.55	7.91
ADV	21.53	20.87	19.67	24.43
POS	37.05	36.60	37.17	36.94
POS!	95.60	95.01	95.42	95.96

TABLE S185. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 11

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S186. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 11

	g.	p.	i.	h.
abstraction.n.06	69.95	69.64	67.25	74.56
physical_entity.n.01	30.05	30.36	32.75	25.44
total	100.00	100.00	100.00	100.00

TABLE S187. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
psychological_feature.n.01	18.82	18.16	16.63	22.64
communication.n.02	17.90	19.13	16.11	20.73
measure.n.02	14.71	15.90	16.13	12.09
object.n.01	13.09	12.59	14.13	11.41
causal_agent.n.01	9.36	11.54	9.58	8.62
relation.n.01	6.87	6.40	7.05	6.65
attribute.n.02	5.93	5.84	5.62	6.47
group.n.01	5.71	4.21	5.72	5.96
matter.n.03	5.22	4.82	6.30	3.46
thing.n.12	1.85	1.00	2.31	1.21
process.n.06	0.54	0.41	0.43	0.75
set.n.02	0.00	0.00	0.00	0.01
total	100.00	100.00	100.00	100.00

TABLE S188. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
definite_quantity.n.01	14.47	15.14	16.49	10.87
cognition.n.01	13.49	11.40	11.41	17.47
person.n.01	12.11	14.70	12.25	11.41
event.n.01	10.75	11.34	9.92	12.07
location.n.01	7.80	6.42	9.00	5.97
whole.n.02	7.62	8.53	7.33	7.96
part.n.01	6.90	6.23	7.21	6.49
language.n.01	6.64	6.29	6.49	6.95
message.n.02	6.62	7.54	6.32	6.99
substance.n.01	5.65	4.27	6.97	3.63
written_communication.n.01	4.69	4.76	3.53	6.68
fundamental_quantity.n.01	3.26	3.39	3.09	3.52
total	100.00	100.00	100.00	100.00

TABLE S189. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
N	61.95	64.01	61.41	61.32
ADJ	9.52	8.94	9.95	9.19
VERB	3.29	2.87	3.40	3.40
ADV	25.24	24.18	25.23	26.10
POS	33.08	33.08	32.57	34.07
POS!	96.00	94.86	96.66	95.69

TABLE S190. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 12

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S191. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 12

	g.	p.	i.	h.
abstraction.n.06	65.96	67.13	65.58	65.70
physical_entity.n.01	34.04	32.87	34.42	34.30
total	100.00	100.00	100.00	100.00

TABLE S192. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
psychological_feature.n.01	25.04	26.83	24.50	24.55
object.n.01	23.29	23.61	23.03	23.51
communication.n.02	14.69	13.22	14.87	15.56
measure.n.02	11.12	13.15	10.81	10.01
causal_agent.n.01	6.52	5.55	6.86	6.72
group.n.01	6.07	5.04	6.11	6.85
attribute.n.02	6.06	5.70	6.37	5.80
matter.n.03	3.16	2.71	3.38	3.13
relation.n.01	2.99	3.19	2.93	2.92
process.n.06	0.53	0.29	0.64	0.52
thing.n.12	0.53	0.72	0.51	0.42
set.n.02	0.00	0.00	0.00	0.01
total	100.00	100.00	100.00	100.00

TABLE S193. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
event.n.01	22.04	23.59	21.43	21.87
whole.n.02	16.85	16.56	16.24	18.20
definite_quantity.n.01	11.27	13.77	11.02	9.64
cognition.n.01	8.82	9.38	8.90	8.21
person.n.01	7.94	6.74	8.39	8.12
message.n.02	7.76	6.20	8.10	8.41
location.n.01	5.61	4.82	5.78	5.94
collection.n.01	5.03	3.84	5.06	5.95
land.n.04	4.86	4.90	5.60	3.46
state.n.02	3.45	3.86	3.21	3.56
written_communication.n.01	3.38	3.59	3.16	3.61
substance.n.01	3.00	2.75	3.11	3.02
total	100.00	100.00	100.00	100.00

TABLE S194. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
N	65.34	78.69	58.79	50.99
ADJ	10.04	7.85	10.53	12.45
VERB	4.82	2.10	4.06	7.97
ADV	19.80	11.35	26.62	28.59
POS	26.10	21.58	28.67	33.77
POS!	93.55	91.90	92.64	95.60

TABLE S195. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 13

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S196. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 13

	g.	p.	i.	h.
abstraction.n.06	65.37	60.74	76.00	72.05
physical_entity.n.01	34.63	39.26	24.00	27.95
total	100.00	100.00	100.00	100.00

TABLE S197. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
measure.n.02	20.34	22.08	31.19	15.88
object.n.01	16.06	17.00	12.00	14.95
psychological_feature.n.01	15.00	10.36	17.68	22.74
communication.n.02	12.91	10.72	12.64	16.75
matter.n.03	10.38	13.70	6.09	5.15
attribute.n.02	9.07	9.90	6.55	7.95
causal_agent.n.01	6.80	7.23	4.12	6.40
group.n.01	4.70	4.68	4.23	4.80
relation.n.01	3.34	3.00	3.65	3.89
thing.n.12	0.89	0.93	0.64	0.86
process.n.06	0.49	0.39	1.16	0.59
set.n.02	0.02	0.00	0.06	0.04
total	100.00	100.00	100.00	100.00

TABLE S198. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
definite_quantity.n.01	22.20	24.33	35.17	16.40
whole.n.02	14.19	14.10	12.64	14.59
event.n.01	10.57	8.25	13.31	14.59
substance.n.01	10.27	13.16	6.84	5.28
cognition.n.01	8.40	4.52	9.29	15.60
person.n.01	8.14	8.13	5.28	8.54
property.n.02	6.08	7.46	2.90	3.90
location.n.01	5.38	6.10	2.30	4.43
message.n.02	4.56	3.32	6.02	6.69
signal.n.01	4.06	5.38	0.67	2.02
written_communication.n.01	3.53	1.93	4.61	6.41
substance.n.07	2.63	3.32	0.97	1.56
total	100.00	100.00	100.00	100.00

TABLE S199. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
N	63.63	67.81	62.92	56.68
ADJ	8.56	7.77	8.65	10.08
VERB	4.51	3.43	4.64	6.60
ADV	23.31	21.00	23.79	26.64
POS	35.11	35.23	35.18	34.40
POS!	93.54	94.79	93.25	91.99

TABLE S200. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 15

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S201. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 15

	g.	p.	i.	h.
abstraction.n.06	65.82	65.10	66.56	63.42
physical_entity.n.01	34.18	34.90	33.44	36.58
total	100.00	100.00	100.00	100.00

TABLE S202. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
measure.n.02	23.47	18.80	26.32	20.17
object.n.01	15.72	15.89	15.18	18.58
psychological_feature.n.01	14.73	14.80	14.64	15.15
causal_agent.n.01	11.17	11.25	11.52	8.69
communication.n.02	10.76	12.44	9.78	11.67
attribute.n.02	8.96	9.10	8.79	9.64
group.n.01	5.37	6.58	4.89	4.55
matter.n.03	5.26	6.11	4.75	5.87
relation.n.01	2.53	3.37	2.15	2.25
process.n.06	1.50	1.23	1.58	1.80
thing.n.12	0.53	0.42	0.41	1.63
set.n.02	0.00	0.01	0.00	0.00
total	100.00	100.00	100.00	100.00

TABLE S203. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
definite_quantity.n.01	22.37	17.99	24.78	20.63
whole.n.02	15.46	14.26	15.37	19.93
person.n.01	13.67	14.17	13.81	11.15
event.n.01	12.95	13.28	12.67	13.74
cognition.n.01	6.00	5.88	6.00	6.38
substance.n.01	5.20	6.45	4.43	6.25
state.n.02	4.82	5.40	4.51	4.93
message.n.02	4.73	4.72	4.68	5.05
fundamental_quantity.n.01	4.29	3.81	4.93	1.67
location.n.01	4.27	5.54	3.58	4.67
written_communication.n.01	3.29	3.83	2.95	3.79
social_group.n.01	2.95	4.67	2.29	1.80
total	100.00	100.00	100.00	100.00

TABLE S204. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
N	65.42	77.23	60.80	56.34
ADJ	8.22	5.57	9.39	10.11
VERB	4.17	2.04	4.71	6.12
ADV	22.19	15.16	25.09	27.43
POS	31.20	34.47	29.46	29.77
POS!	94.12	95.15	93.10	94.05

TABLE S205. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 16

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S206. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 16

	g.	p.	i.	h.
abstraction.n.06	70.25	72.61	69.35	67.43
physical_entity.n.01	29.75	27.39	30.65	32.57
total	100.00	100.00	100.00	100.00

TABLE S207. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
measure.n.02	22.32	16.98	30.44	21.31
communication.n.02	18.13	25.33	10.71	15.20
object.n.01	17.35	16.46	17.69	18.41
psychological_feature.n.01	12.95	8.55	15.20	17.53
attribute.n.02	9.75	14.45	5.63	6.98
matter.n.03	6.61	6.65	6.59	6.57
causal_agent.n.01	4.65	3.46	5.31	5.82
group.n.01	3.93	3.81	4.87	3.01
relation.n.01	3.16	3.49	2.50	3.39
thing.n.12	0.71	0.40	0.67	1.27
process.n.06	0.44	0.43	0.41	0.49
set.n.02	0.00	0.00	0.00	0.02
total	100.00	100.00	100.00	100.00

TABLE S208. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
definite_quantity.n.01	24.09	17.56	33.94	23.02
whole.n.02	13.85	9.13	16.60	18.46
signal.n.01	9.57	20.29	1.16	1.73
event.n.01	9.05	6.41	9.53	12.93
substance.n.01	6.81	6.86	6.64	6.95
property.n.02	6.56	12.46	2.18	1.95
cognition.n.01	6.14	3.57	8.23	7.92
location.n.01	6.06	9.77	3.38	3.06
person.n.01	5.41	3.96	6.16	6.96
message.n.02	5.32	4.25	5.25	7.23
written_communication.n.01	3.57	2.71	3.48	5.13
state.n.02	3.57	3.03	3.45	4.64
total	100.00	100.00	100.00	100.00

TABLE S209. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
N	62.98	65.95	62.18	62.89
ADJ	9.30	7.99	9.55	9.43
VERB	3.72	3.47	3.70	3.79
ADV	24.00	22.59	24.57	23.90
POS	30.52	32.33	29.55	30.89
POS!	92.74	94.97	92.45	92.46

TABLE S210. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 17

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S211. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 17

	g.	p.	i.	h.
abstraction.n.06	64.41	66.92	63.84	64.22
physical_entity.n.01	35.59	33.08	36.16	35.78
total	100.00	100.00	100.00	100.00

TABLE S212. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
measure.n.02	22.91	23.77	22.36	23.10
object.n.01	20.04	21.24	19.01	20.53
psychological_feature.n.01	15.92	16.62	15.04	16.40
communication.n.02	11.21	12.69	11.77	10.43
causal_agent.n.01	8.87	7.37	9.51	8.76
attribute.n.02	7.54	7.06	7.14	7.97
matter.n.03	5.52	3.01	6.93	5.08
group.n.01	4.05	4.19	4.45	3.71
relation.n.01	2.78	2.59	3.08	2.60
thing.n.12	0.73	0.62	0.54	0.89
process.n.06	0.43	0.84	0.17	0.51
set.n.02	0.00	0.00	0.00	0.01
total	100.00	100.00	100.00	100.00

TABLE S213. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
definite_quantity.n.01	24.06	25.41	22.94	24.57
whole.n.02	19.02	20.68	17.99	19.39
event.n.01	11.84	12.89	12.39	11.17
person.n.01	10.03	8.36	10.85	9.82
cognition.n.01	6.79	6.66	5.24	7.99
message.n.02	6.19	6.43	6.79	5.68
substance.n.01	6.03	2.86	7.65	5.59
location.n.01	3.84	3.23	4.04	3.84
state.n.02	3.67	4.86	3.50	3.50
written_communication.n.01	3.47	3.93	3.69	3.20
shape.n.02	2.61	1.76	2.37	2.99
collection.n.01	2.45	2.93	2.54	2.27
total	100.00	100.00	100.00	100.00

TABLE S214. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
N	56.20	71.65	56.95	52.63
ADJ	12.06	8.87	11.67	12.89
VERB	6.81	3.61	6.35	7.67
ADV	24.93	15.87	25.04	26.81
POS	32.95	35.76	32.15	32.70
POS!	95.54	95.29	94.63	95.93

TABLE S215. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 18

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S216. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 18

	g.	p.	i.	h.
abstraction.n.06	68.60	61.56	71.78	69.36
physical_entity.n.01	31.40	38.44	28.22	30.64
total	100.00	100.00	100.00	100.00

TABLE S217. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
communication.n.02	19.74	19.40	19.64	19.88
object.n.01	19.18	24.67	16.18	18.81
measure.n.02	17.16	14.35	20.05	16.81
psychological_feature.n.01	16.04	9.55	17.45	17.35
attribute.n.02	8.43	11.55	7.82	7.76
matter.n.03	5.19	8.21	4.58	4.57
causal_agent.n.01	4.83	3.52	5.26	5.03
group.n.01	4.51	3.79	4.36	4.77
relation.n.01	2.71	2.90	2.45	2.76
thing.n.12	1.34	1.25	1.62	1.25
process.n.06	0.85	0.79	0.58	0.98
set.n.02	0.02	0.03	0.01	0.01
total	100.00	100.00	100.00	100.00

TABLE S218. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
whole.n.02	17.85	24.12	14.39	17.26
definite_quantity.n.01	17.37	14.64	20.22	17.08
event.n.01	12.45	7.20	14.42	13.31
cognition.n.01	8.10	4.21	8.34	9.23
message.n.02	7.35	4.21	7.15	8.42
location.n.01	6.16	5.08	5.94	6.58
person.n.01	6.06	3.67	6.77	6.54
written_communication.n.01	5.73	2.69	6.77	6.27
substance.n.01	5.43	8.33	4.79	4.77
property.n.02	5.23	10.84	4.72	3.66
indication.n.01	4.41	2.58	4.58	4.92
signal.n.01	3.87	12.43	1.92	1.95
total	100.00	100.00	100.00	100.00

TABLE S219. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
N	50.78	66.00	50.32	46.59
ADJ	12.33	9.62	12.56	13.03
VERB	6.91	3.17	6.29	8.19
ADV	29.98	21.22	30.83	32.19
POS	32.18	29.90	31.24	33.25
POS!	96.09	95.35	96.12	96.29

TABLE S220. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 19

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S221. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 19

	g.	p.	i.	h.
abstraction.n.06	71.95	69.53	68.23	74.32
physical_entity.n.01	28.05	30.47	31.77	25.68
total	100.00	100.00	100.00	100.00

TABLE S222. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

	g.	p.	i.	h.
psychological_feature.n.01	18.81	14.80	16.29	21.38
measure.n.02	15.95	19.11	15.46	14.86
communication.n.02	14.52	18.07	13.85	13.33
object.n.01	13.56	13.47	16.71	12.42
group.n.01	10.55	6.20	11.31	12.02
attribute.n.02	8.63	8.48	8.29	8.82
causal_agent.n.01	7.67	4.50	8.82	8.52
matter.n.03	5.43	11.33	5.13	3.16
relation.n.01	3.48	2.87	3.04	3.89
process.n.06	0.84	0.56	0.38	1.13
thing.n.12	0.55	0.61	0.73	0.45
set.n.02	0.01	0.00	0.00	0.02
total	100.00	100.00	100.00	100.00

TABLE S223. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

	g.	p.	i.	h.
definite_quantity.n.01	16.11	22.13	15.60	13.99
event.n.01	14.53	12.16	12.61	16.18
whole.n.02	12.30	12.29	15.79	10.96
cognition.n.01	9.33	7.47	7.43	10.79
person.n.01	9.25	5.78	10.58	10.08
message.n.02	8.84	9.75	7.89	8.85
collection.n.01	7.68	3.91	8.05	8.99
substance.n.01	5.70	12.72	5.21	3.17
state.n.02	5.43	2.81	5.49	6.42
location.n.01	3.88	4.44	3.68	3.74
social_group.n.01	3.61	2.69	3.96	3.83
written_communication.n.01	3.34	3.84	3.71	3.01
total	100.00	100.00	100.00	100.00

TABLE S224. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
N	56.00	56.83	55.68	56.11
ADJ	11.39	11.67	11.76	11.00
VERB	5.80	4.85	5.49	6.29
ADV	26.81	26.65	27.08	26.60
POS	33.33	33.51	33.24	33.37
POS!	96.05	95.81	96.11	96.05

TABLE S225. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 0

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S226. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 0

	g.	p.	i.	h.
abstraction.n.06	72.31	76.48	71.80	71.87
physical_entity.n.01	27.69	23.52	28.20	28.13
total	100.00	100.00	100.00	100.00

TABLE S227. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
psychological_feature.n.01	22.81	24.93	23.11	22.08
communication.n.02	19.73	20.13	18.27	20.97
object.n.01	15.43	12.42	15.78	15.77
measure.n.02	11.21	13.06	11.62	10.45
group.n.01	7.43	8.20	7.99	6.75
attribute.n.02	6.95	6.20	6.91	7.14
causal_agent.n.01	6.56	6.11	6.49	6.71
matter.n.03	4.60	3.92	4.92	4.46
relation.n.01	4.18	3.96	3.89	4.48
thing.n.12	0.62	0.49	0.48	0.79
process.n.06	0.48	0.58	0.55	0.40
set.n.02	0.01	0.00	0.02	0.01
total	100.00	100.00	100.00	100.00

TABLE S228. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
cognition.n.01	16.78	14.43	17.24	16.89
whole.n.02	13.17	10.41	13.84	13.17
event.n.01	12.53	16.93	12.13	11.91
definite_quantity.n.01	11.44	13.45	12.25	10.24
message.n.02	10.71	11.79	9.69	11.40
person.n.01	8.50	7.74	8.39	8.76
location.n.01	5.99	4.78	6.05	6.20
written_communication.n.01	4.83	6.39	4.56	4.72
substance.n.01	4.71	4.08	5.16	4.43
collection.n.01	4.14	3.53	3.97	4.43
state.n.02	3.93	4.02	3.88	3.96
expressive_style.n.01	3.28	2.45	2.84	3.88
total	100.00	100.00	100.00	100.00

TABLE S229. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
N	89.12	89.85	88.81	89.30
ADJ	2.85	2.39	2.85	3.00
VERB	0.25	0.17	0.29	0.22
ADV	7.78	7.58	8.04	7.48
POS	22.18	22.02	22.40	21.93
POS!	95.60	95.09	95.35	96.15

TABLE S230. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 2

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S231. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 2

	g.	p.	i.	h.
abstraction.n.06	62.96	62.15	62.04	64.53
physical_entity.n.01	37.04	37.85	37.96	35.47
total	100.00	100.00	100.00	100.00

TABLE S232. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
communication.n.02	24.22	24.96	23.40	25.09
matter.n.03	17.61	19.01	18.06	16.48
psychological_feature.n.01	15.09	15.64	14.77	15.33
measure.n.02	13.94	11.97	14.37	14.05
causal_agent.n.01	9.91	9.58	9.82	10.14
object.n.01	9.17	8.75	9.75	8.51
attribute.n.02	7.20	7.06	6.96	7.58
group.n.01	1.32	1.36	1.29	1.34
relation.n.01	1.20	1.18	1.25	1.14
thing.n.12	0.20	0.29	0.19	0.19
process.n.06	0.15	0.21	0.14	0.15
total	100.00	100.00	100.00	100.00

TABLE S233. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
message.n.02	22.76	23.35	21.74	23.97
substance.n.01	15.88	17.20	16.18	15.00
definite_quantity.n.01	13.51	11.62	14.20	13.22
person.n.01	10.48	10.01	10.31	10.89
event.n.01	10.28	10.84	10.47	9.82
whole.n.02	8.18	8.15	8.54	7.70
cognition.n.01	5.99	5.98	5.46	6.74
property.n.02	5.04	4.81	4.84	5.39
substance.n.07	2.78	3.11	2.82	2.59
state.n.02	2.30	2.50	2.35	2.16
written_communication.n.01	1.42	1.32	1.49	1.36
location.n.01	1.38	1.11	1.60	1.17
total	100.00	100.00	100.00	100.00

TABLE S234. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
N	57.64	58.43	58.70	56.54
ADJ	12.30	12.25	11.26	13.13
VERB	5.18	4.38	5.04	5.58
ADV	24.88	24.94	25.01	24.76
POS	33.82	34.28	33.13	34.22
POS!	93.24	94.21	92.79	93.27

TABLE S235. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 3

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S236. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 3

	g.	p.	i.	h.
abstraction.n.06	70.13	70.19	69.74	70.44
physical_entity.n.01	29.87	29.81	30.26	29.56
total	100.00	100.00	100.00	100.00

TABLE S237. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
psychological_feature.n.01	20.49	20.22	18.64	22.09
measure.n.02	18.64	18.45	20.90	16.85
object.n.01	17.84	17.63	17.63	18.08
communication.n.02	17.05	18.35	17.04	16.59
causal_agent.n.01	7.59	7.09	8.45	7.08
attribute.n.02	6.27	6.68	5.93	6.40
relation.n.01	4.44	3.69	4.12	4.96
matter.n.03	3.39	4.02	3.30	3.23
group.n.01	3.25	2.79	3.09	3.55
process.n.06	0.59	0.66	0.44	0.68
thing.n.12	0.46	0.41	0.44	0.50
set.n.02	0.01	0.00	0.01	0.01
total	100.00	100.00	100.00	100.00

TABLE S238. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
definite_quantity.n.01	19.76	19.64	22.06	17.90
event.n.01	18.37	17.75	16.69	19.99
whole.n.02	13.06	12.76	12.39	13.72
person.n.01	9.15	7.89	10.20	8.74
cognition.n.01	7.13	7.23	6.40	7.69
message.n.02	6.84	8.03	7.16	6.16
written_communication.n.01	5.54	5.50	4.60	6.33
location.n.01	5.23	4.19	5.30	5.56
message.n.01	4.69	5.33	5.29	3.97
state.n.02	4.14	4.37	3.98	4.20
land.n.04	3.42	4.06	3.61	3.02
substance.n.01	2.67	3.26	2.33	2.73
total	100.00	100.00	100.00	100.00

TABLE S239. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
N	79.24	64.92	81.82	85.24
ADJ	8.97	11.88	8.27	7.93
VERB	1.52	4.61	0.96	0.25
ADV	10.26	18.59	8.95	6.59
POS	20.06	28.24	18.49	18.45
POS!	90.69	93.17	90.01	89.93

TABLE S240. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 7

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S241. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 7

	g.	p.	i.	h.
abstraction.n.06	69.01	73.72	70.74	65.13
physical_entity.n.01	30.99	26.28	29.26	34.87
total	100.00	100.00	100.00	100.00

TABLE S242. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
measure.n.02	21.08	18.05	23.71	19.87
communication.n.02	15.86	14.49	15.76	16.60
attribute.n.02	14.56	11.41	16.51	14.08
object.n.01	12.82	11.43	11.40	14.87
matter.n.03	9.19	5.02	9.14	11.16
psychological_feature.n.01	8.89	16.55	7.28	6.95
causal_agent.n.01	7.63	8.15	7.19	7.83
group.n.01	5.64	8.05	4.72	5.44
relation.n.01	2.97	5.17	2.76	2.18
thing.n.12	0.83	0.80	1.01	0.67
process.n.06	0.52	0.88	0.52	0.35
total	100.00	100.00	100.00	100.00

TABLE S243. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
definite_quantity.n.01	22.82	20.05	25.89	20.95
shape.n.02	12.21	5.37	14.69	12.61
written_communication.n.01	11.97	9.31	12.71	12.35
whole.n.02	10.79	8.78	9.51	12.88
substance.n.01	8.98	4.85	8.28	11.38
person.n.01	7.11	9.83	6.41	6.66
event.n.01	6.46	13.07	5.63	4.52
social_group.n.01	5.06	4.95	4.93	5.23
cognition.n.01	4.22	8.49	3.03	3.63
state.n.02	3.53	5.47	3.68	2.57
message.n.02	3.49	4.42	2.48	4.10
location.n.01	3.36	5.41	2.76	3.10
total	100.00	100.00	100.00	100.00

TABLE S244. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
N	54.22	59.67	53.62	52.35
ADJ	11.11	11.19	10.48	11.37
VERB	7.98	5.61	7.98	8.92
ADV	26.69	23.53	27.91	27.36
POS	33.08	33.55	33.23	32.84
POS!	95.57	94.88	95.58	95.85

TABLE S245. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 8

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S246. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 8

	g.	p.	i.	h.
abstraction.n.06	65.97	66.76	65.31	65.94
physical_entity.n.01	34.03	33.24	34.69	34.06
total	100.00	100.00	100.00	100.00

TABLE S247. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
object.n.01	23.18	21.77	23.77	23.53
measure.n.02	22.35	23.99	21.05	22.25
psychological_feature.n.01	16.89	16.20	18.12	16.61
communication.n.02	12.89	12.98	13.47	12.58
attribute.n.02	7.00	6.13	6.43	7.68
causal_agent.n.01	5.45	6.97	5.67	4.66
matter.n.03	4.31	3.37	3.95	4.90
group.n.01	3.68	4.24	3.45	3.55
relation.n.01	3.14	3.22	2.79	3.28
thing.n.12	0.63	0.72	0.57	0.62
process.n.06	0.46	0.41	0.73	0.36
total	100.00	100.00	100.00	100.00

TABLE S248. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
whole.n.02	24.69	21.51	26.97	25.05
definite_quantity.n.01	22.65	24.01	21.53	22.58
event.n.01	12.35	11.40	13.51	12.22
cognition.n.01	8.18	8.00	8.66	8.03
message.n.02	6.52	7.48	6.67	5.99
written_communication.n.01	5.23	4.94	5.29	5.32
person.n.01	5.03	6.52	4.74	4.48
substance.n.01	4.35	3.40	3.86	5.02
state.n.02	4.08	3.65	3.60	4.52
location.n.01	2.94	3.92	2.19	2.85
property.n.02	2.02	1.76	1.87	2.20
fundamental_quantity.n.01	1.98	3.40	1.11	1.75
total	100.00	100.00	100.00	100.00

TABLE S249. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
N	70.53	86.12	54.40	53.80
ADJ	10.25	6.64	14.14	14.01
VERB	3.39	0.88	5.74	6.27
ADV	15.83	6.36	25.72	25.92
POS	30.41	27.25	34.20	34.97
POS!	91.58	88.04	95.47	95.76

TABLE S250. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 10

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S251. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 10

	g.	p.	i.	h.
abstraction.n.06	67.51	62.87	75.63	75.10
physical_entity.n.01	32.49	37.13	24.37	24.90
total	100.00	100.00	100.00	100.00

TABLE S252. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
communication.n.02	20.66	17.24	25.39	27.15
matter.n.03	15.68	21.83	5.31	5.32
measure.n.02	13.24	13.53	13.71	12.06
attribute.n.02	12.32	16.37	5.28	5.66
object.n.01	11.41	12.65	8.71	9.74
psychological_feature.n.01	9.97	4.56	19.79	18.60
group.n.01	8.56	9.32	7.30	7.30
causal_agent.n.01	4.74	2.24	9.43	8.60
relation.n.01	2.75	1.86	4.17	4.34
thing.n.12	0.40	0.29	0.39	0.72
process.n.06	0.27	0.12	0.53	0.52
total	100.00	100.00	100.00	100.00

TABLE S253. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
substance.n.01	19.28	25.61	6.59	7.13
property.n.02	10.77	15.40	2.17	1.39
definite_quantity.n.01	8.84	7.39	13.04	10.66
event.n.01	8.36	2.73	19.19	19.48
location.n.01	8.24	9.99	5.15	4.57
signal.n.01	7.48	10.94	0.42	0.94
fundamental_quantity.n.01	7.30	8.97	3.40	4.54
message.n.02	6.93	2.09	15.81	16.79
whole.n.02	6.18	5.37	6.61	8.64
person.n.01	6.06	2.64	13.22	12.43
social_group.n.01	5.95	5.99	5.81	5.90
cognition.n.01	4.62	2.89	8.60	7.52
total	100.00	100.00	100.00	100.00

TABLE S254. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
N	56.06	54.80	56.74	55.49
ADJ	16.19	15.23	16.22	16.34
VERB	6.87	6.95	6.81	6.94
ADV	20.87	23.02	20.23	21.24
POS	36.24	36.33	36.62	35.78
POS!	95.17	95.67	94.70	95.65

TABLE S255. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 11

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S256. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 11

	g.	p.	i.	h.
abstraction.n.06	71.93	71.04	71.15	73.06
physical_entity.n.01	28.07	28.96	28.85	26.94
total	100.00	100.00	100.00	100.00

TABLE S257. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
communication.n.02	20.88	21.75	20.70	20.95
psychological_feature.n.01	18.39	19.77	17.29	19.48
measure.n.02	14.68	14.02	15.15	14.23
object.n.01	10.97	12.69	10.88	10.77
causal_agent.n.01	9.43	10.70	9.78	8.77
relation.n.01	7.89	5.61	8.40	7.68
matter.n.03	6.54	4.11	7.11	6.29
attribute.n.02	5.71	6.10	5.24	6.21
group.n.01	4.38	3.78	4.37	4.50
thing.n.12	0.57	0.88	0.53	0.56
process.n.06	0.55	0.59	0.54	0.56
set.n.02	0.00	0.00	0.00	0.01
total	100.00	100.00	100.00	100.00

TABLE S258. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
definite_quantity.n.01	14.04	13.74	14.79	13.17
cognition.n.01	12.39	13.86	11.53	13.19
person.n.01	11.79	13.24	12.17	11.05
event.n.01	10.48	10.83	9.93	11.08
language.n.01	8.55	7.89	8.32	8.95
part.n.01	8.36	5.11	9.10	8.03
whole.n.02	7.80	8.80	7.02	8.58
message.n.02	7.43	8.05	7.10	7.74
substance.n.01	6.42	3.65	6.80	6.45
location.n.01	5.33	6.72	5.98	4.27
written_communication.n.01	4.26	5.23	4.41	3.90
fundamental_quantity.n.01	3.16	2.86	2.85	3.58
total	100.00	100.00	100.00	100.00

TABLE S259. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
N	64.11	65.47	63.90	62.21
ADJ	9.08	8.58	9.03	10.28
VERB	4.28	4.20	4.28	4.43
ADV	22.53	21.74	22.79	23.08
POS	35.11	33.24	36.15	35.12
POS!	94.46	93.24	95.01	94.77

TABLE S260. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 15

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S261. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 15

	g.	p.	i.	h.
abstraction.n.06	66.25	65.32	66.88	65.70
physical_entity.n.01	33.75	34.68	33.12	34.30
total	100.00	100.00	100.00	100.00

TABLE S262. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
measure.n.02	22.68	21.47	24.26	19.00
object.n.01	15.31	15.37	15.05	16.18
psychological_feature.n.01	15.11	14.18	15.15	16.88
causal_agent.n.01	11.71	11.52	11.71	12.14
communication.n.02	11.68	11.77	11.31	12.97
attribute.n.02	8.98	8.40	8.99	10.12
matter.n.03	5.24	6.65	4.68	4.50
group.n.01	5.23	6.84	4.64	4.19
relation.n.01	2.55	2.66	2.51	2.51
process.n.06	0.83	0.46	0.99	0.96
thing.n.12	0.67	0.68	0.70	0.52
set.n.02	0.01	0.00	0.01	0.03
total	100.00	100.00	100.00	100.00

TABLE S263. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
definite_quantity.n.01	21.82	22.28	22.51	18.23
whole.n.02	14.08	12.62	14.54	15.14
person.n.01	14.04	13.88	13.90	14.88
event.n.01	13.70	13.68	13.48	14.59
cognition.n.01	5.55	4.92	5.57	6.73
substance.n.01	5.44	7.19	4.73	4.76
location.n.01	5.02	7.26	3.94	4.83
message.n.02	4.86	4.94	4.78	5.06
state.n.02	4.38	4.36	4.47	4.11
written_communication.n.01	4.25	3.68	4.46	4.57
fundamental_quantity.n.01	4.15	3.00	4.91	3.48
indication.n.01	2.70	2.20	2.71	3.61
total	100.00	100.00	100.00	100.00

TABLE S264. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

H. Differentiation of the texts from Erdös sectors

1. Snapshots of 1000 messages

	g.	p.	i.	h.
g.	0.000	1.959	1.140	1.597
	0.000	0.017	0.007	0.008
p.	1.959	0.000	1.779	2.726
	0.017	0.000	0.017	0.025
i.	1.140	1.779	0.000	2.254
	0.007	0.017	0.000	0.014
h.	1.597	2.726	2.254	0.000
	0.008	0.025	0.014	0.000

TABLE S265. KS distances on size of tokens. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	1.344	1.889	1.259
	0.000	0.021	0.020	0.011
p.	1.344	0.000	2.112	1.004
	0.021	0.000	0.037	0.017
i.	1.889	2.112	0.000	2.669
	0.020	0.037	0.000	0.030
h.	1.259	1.004	2.669	0.000
	0.011	0.017	0.030	0.000

TABLE S266. KS distances on size of known words. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	2.055	1.040	1.504
	0.000	0.094	0.032	0.040
p.	2.055	0.000	1.419	2.724
	0.094	0.000	0.072	0.131
i.	1.040	1.419	0.000	2.106
	0.032	0.072	0.000	0.072
h.	1.504	2.724	2.106	0.000
	0.040	0.131	0.072	0.000

TABLE S267. KS distances on size of sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	1.216	0.992	1.027
	0.000	0.056	0.031	0.027
p.	1.216	0.000	0.839	1.608
	0.056	0.000	0.043	0.077
i.	0.992	0.839	0.000	1.688
	0.031	0.043	0.000	0.058
h.	1.027	1.608	1.688	0.000
	0.027	0.077	0.058	0.000

TABLE S268. KS distances on use of adjectives on sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	2.090	0.265	0.852
	0.000	0.096	0.008	0.022
p.	2.090	0.000	1.916	2.453
	0.096	0.000	0.097	0.118
i.	0.265	1.916	0.000	0.817
	0.008	0.097	0.000	0.028
h.	0.852	2.453	0.817	0.000
	0.022	0.118	0.028	0.000

TABLE S269. KS distances on use of substantives on sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	1.871	0.918	1.418
	0.000	0.086	0.029	0.037
p.	1.871	0.000	1.316	2.493
	0.086	0.000	0.067	0.120
i.	0.918	1.316	0.000	1.923
	0.029	0.067	0.000	0.066
h.	1.418	2.493	1.923	0.000
	0.037	0.120	0.066	0.000

TABLE S270. KS distances on use of punctuations on sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	4.795	2.738	0.606
	0.000	0.037	0.017	0.003
p.	4.795	0.000	5.961	4.858
	0.037	0.000	0.053	0.040
i.	2.738	5.961	0.000	2.211
	0.017	0.053	0.000	0.015
h.	0.606	4.858	2.211	0.000
	0.003	0.040	0.015	0.000

TABLE S271. KS distances on size of tokens. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	1.109	1.609	0.853
	0.000	0.019	0.022	0.010
p.	1.109	0.000	1.944	0.726
	0.019	0.000	0.039	0.014
i.	1.609	1.944	0.000	2.102
	0.022	0.039	0.000	0.031
h.	0.853	0.726	2.102	0.000
	0.010	0.014	0.031	0.000

TABLE S272. KS distances on size of known words. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	0.766	0.742	0.588
	0.000	0.030	0.021	0.014
p.	0.766	0.000	0.918	0.938
	0.030	0.000	0.041	0.039
i.	0.742	0.918	0.000	0.981
	0.021	0.041	0.000	0.031
h.	0.588	0.938	0.981	0.000
	0.014	0.039	0.031	0.000

TABLE S273. KS distances on size of sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	0.463	0.509	0.152
	0.000	0.018	0.015	0.004
p.	0.463	0.000	0.740	0.351
	0.018	0.000	0.033	0.015
i.	0.509	0.740	0.000	0.577
	0.015	0.033	0.000	0.018
h.	0.152	0.351	0.577	0.000
	0.004	0.015	0.018	0.000

TABLE S274. KS distances on use of adjectives on sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	1.040	0.994	0.756
	0.000	0.041	0.029	0.018
p.	1.040	0.000	1.066	1.197
	0.041	0.000	0.048	0.050
i.	0.994	1.066	0.000	1.475
	0.029	0.048	0.000	0.047
h.	0.756	1.197	1.475	0.000
	0.018	0.050	0.047	0.000

TABLE S275. KS distances on use of substantives on sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	0.705	0.667	0.332
	0.000	0.028	0.019	0.008
p.	0.705	0.000	0.978	0.636
	0.028	0.000	0.044	0.027
i.	0.667	0.978	0.000	0.857
	0.019	0.044	0.000	0.027
h.	0.332	0.636	0.857	0.000
	0.008	0.027	0.027	0.000

TABLE S276. KS distances on use of punctuations on sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	2.188 0.016	5.943 0.025	8.365 0.038
p.	2.188 0.016	0.000 0.000	1.404 0.011	6.882 0.054
i.	5.943 0.025	1.404 0.011	0.000 0.000	12.185 0.063
h.	8.365 0.038	6.882 0.054	12.185 0.063	0.000 0.000

TABLE S277. KS distances on size of tokens. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.554 0.022	2.324 0.019	2.210 0.019
p.	1.554 0.022	0.000 0.000	2.518 0.037	1.320 0.020
i.	2.324 0.019	2.518 0.037	0.000 0.000	3.836 0.038
h.	2.210 0.019	1.320 0.020	3.836 0.038	0.000 0.000

TABLE S278. KS distances on size of known words. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.493 0.060	1.885 0.043	2.417 0.054
p.	1.493 0.060	0.000 0.000	0.545 0.023	2.881 0.122
i.	1.885 0.043	0.545 0.023	0.000 0.000	3.650 0.097
h.	2.417 0.054	2.881 0.122	3.650 0.097	0.000 0.000

TABLE S279. KS distances on size of sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	0.443 0.018	0.947 0.022	1.030 0.023
p.	0.443 0.018	0.000 0.000	0.436 0.019	0.961 0.041
i.	0.947 0.022	0.436 0.019	0.000 0.000	1.661 0.044
h.	1.030 0.023	0.961 0.041	1.661 0.044	0.000 0.000

TABLE S280. KS distances on use of adjectives on sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.724 0.069	1.298 0.030	1.803 0.040
p.	1.724 0.069	0.000 0.000	1.076 0.046	2.633 0.112
i.	1.298 0.030	1.076 0.046	0.000 0.000	2.629 0.070
h.	1.803 0.040	2.633 0.112	2.629 0.070	0.000 0.000

TABLE S281. KS distances on use of substantives on sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.750 0.070	1.163 0.027	1.854 0.041
p.	1.750 0.070	0.000 0.000	1.022 0.044	2.771 0.117
i.	1.163 0.027	1.022 0.044	0.000 0.000	2.555 0.068
h.	1.854 0.041	2.771 0.117	2.555 0.068	0.000 0.000

TABLE S282. KS distances on use of punctuations on sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	4.325 0.014	17.165 0.115	7.851 0.044
p.	4.325 0.014	0.000 0.000	18.903 0.129	7.832 0.045
i.	17.165 0.115	18.903 0.129	0.000 0.000	15.540 0.129
h.	7.851 0.044	7.832 0.045	15.540 0.129	0.000 0.000

TABLE S283. KS distances on size of tokens. TAG: 6. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	2.922 0.018	7.316 0.095	4.721 0.051
p.	2.922 0.018	0.000 0.000	8.537 0.112	5.887 0.065
i.	7.316 0.095	8.537 0.112	0.000 0.000	6.317 0.100
h.	4.721 0.051	5.887 0.065	6.317 0.100	0.000 0.000

TABLE S284. KS distances on size of known words. TAG: 6. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	1.216 0.026	1.570 0.077	1.497 0.046
p.	1.216 0.026	0.000 0.000	2.064 0.103	2.193 0.070
i.	1.570 0.077	2.064 0.103	0.000 0.000	1.956 0.106
h.	1.497 0.046	2.193 0.070	1.956 0.106	0.000 0.000

TABLE S285. KS distances on size of sentences. TAG: 6. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	1.337 0.029	1.348 0.066	2.267 0.069
p.	1.337 0.029	0.000 0.000	1.565 0.078	3.059 0.098
i.	1.348 0.066	1.565 0.078	0.000 0.000	1.052 0.057
h.	2.267 0.069	3.059 0.098	1.052 0.057	0.000 0.000

TABLE S286. KS distances on use of adjectives on sentences. TAG: 6. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	0.203 0.004	1.740 0.085	1.021 0.031
p.	0.203 0.004	0.000 0.000	1.693 0.084	0.998 0.032
i.	1.740 0.085	1.693 0.084	0.000 0.000	2.258 0.123
h.	1.021 0.031	0.998 0.032	2.258 0.123	0.000 0.000

TABLE S287. KS distances on use of substantives on sentences. TAG: 6. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	1.086 0.023	2.205 0.108	1.076 0.033
p.	1.086 0.023	0.000 0.000	2.429 0.121	1.754 0.056
i.	2.205 0.108	2.429 0.121	0.000 0.000	2.236 0.121
h.	1.076 0.033	1.754 0.056	2.236 0.121	0.000 0.000

TABLE S288. KS distances on use of punctuations on sentences. TAG: 6. TAG: 6

	g.	p.	i.	h.
g.	0.000	2.694	1.047	2.609
	0.000	0.024	0.006	0.017
p.	2.694	0.000	2.227	3.798
	0.024	0.000	0.022	0.038
i.	1.047	2.227	0.000	3.129
	0.006	0.022	0.000	0.023
h.	2.609	3.798	3.129	0.000
	0.017	0.038	0.023	0.000

TABLE S289. KS distances on size of tokens. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000	3.090	0.904	0.859
	0.000	0.073	0.014	0.014
p.	3.090	0.000	3.408	3.283
	0.073	0.000	0.087	0.085
i.	0.904	3.408	0.000	0.629
	0.014	0.087	0.000	0.012
h.	0.859	3.283	0.629	0.000
	0.014	0.085	0.012	0.000

TABLE S290. KS distances on size of known words. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000	0.859	1.347	1.271
	0.000	0.044	0.041	0.044
p.	0.859	0.000	1.543	0.730
	0.044	0.000	0.083	0.041
i.	1.347	1.543	0.000	2.128
	0.041	0.083	0.000	0.082
h.	1.271	0.730	2.128	0.000
	0.044	0.041	0.082	0.000

TABLE S291. KS distances on size of sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000	0.938	0.938	0.638
	0.000	0.048	0.029	0.022
p.	0.938	0.000	1.419	0.459
	0.048	0.000	0.076	0.026
i.	0.938	1.419	0.000	1.309
	0.029	0.076	0.000	0.051
h.	0.638	0.459	1.309	0.000
	0.022	0.026	0.051	0.000

TABLE S292. KS distances on use of adjectives on sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000	0.747	1.038	1.057
	0.000	0.038	0.032	0.036
p.	0.747	0.000	1.294	1.101
	0.038	0.000	0.070	0.062
i.	1.038	1.294	0.000	1.700
	0.032	0.070	0.000	0.066
h.	1.057	1.101	1.700	0.000
	0.036	0.062	0.066	0.000

TABLE S293. KS distances on use of substantives on sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000	0.902	1.004	1.217
	0.000	0.046	0.031	0.042
p.	0.902	0.000	1.373	0.841
	0.046	0.000	0.074	0.047
i.	1.004	1.373	0.000	1.864
	0.031	0.074	0.000	0.072
h.	1.217	0.841	1.864	0.000
	0.042	0.047	0.072	0.000

TABLE S294. KS distances on use of punctuations on sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000	2.217	6.206	2.694
	0.000	0.014	0.039	0.013
p.	2.217	0.000	6.700	2.553
	0.014	0.000	0.053	0.017
i.	6.206	6.700	0.000	7.324
	0.039	0.053	0.000	0.051
h.	2.694	2.553	7.324	0.000
	0.013	0.017	0.051	0.000

TABLE S295. KS distances on size of tokens. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	2.489	2.304	0.948
	0.000	0.032	0.027	0.008
p.	2.489	0.000	3.746	2.341
	0.032	0.000	0.058	0.032
i.	2.304	3.746	0.000	2.191
	0.027	0.058	0.000	0.027
h.	0.948	2.341	2.191	0.000
	0.008	0.032	0.027	0.000

TABLE S296. KS distances on size of known words. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	1.952	0.675	1.190
	0.000	0.086	0.025	0.032
p.	1.952	0.000	1.544	2.553
	0.086	0.000	0.081	0.118
i.	0.675	1.544	0.000	1.418
	0.025	0.081	0.000	0.055
h.	1.190	2.553	1.418	0.000
	0.032	0.118	0.055	0.000

TABLE S297. KS distances on size of sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	0.961	0.864	0.301
	0.000	0.043	0.031	0.008
p.	0.961	0.000	1.409	0.875
	0.043	0.000	0.074	0.040
i.	0.864	1.409	0.000	0.865
	0.031	0.074	0.000	0.034
h.	0.301	0.875	0.865	0.000
	0.008	0.040	0.034	0.000

TABLE S298. KS distances on use of adjectives on sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	2.830	0.667	1.027
	0.000	0.125	0.024	0.027
p.	2.830	0.000	2.638	3.300
	0.125	0.000	0.138	0.152
i.	0.667	2.638	0.000	0.628
	0.024	0.138	0.000	0.024
h.	1.027	3.300	0.628	0.000
	0.027	0.152	0.024	0.000

TABLE S299. KS distances on use of substantives on sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	1.427	0.331	0.614
	0.000	0.063	0.012	0.016
p.	1.427	0.000	1.321	1.668
	0.063	0.000	0.069	0.077
i.	0.331	1.321	0.000	0.646
	0.012	0.069	0.000	0.025
h.	0.614	1.668	0.646	0.000
	0.016	0.077	0.025	0.000

TABLE S300. KS distances on use of punctuations on sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	4.752	4.211	7.415
	0.000	0.023	0.020	0.041
p.	4.752	0.000	3.436	9.467
	0.023	0.000	0.020	0.061
i.	4.211	3.436	0.000	9.559
	0.020	0.020	0.000	0.061
h.	7.415	9.467	9.559	0.000
	0.041	0.061	0.061	0.000

TABLE S301. KS distances on size of tokens. TAG: 9. TAG: 9

	g.	p.	i.	h.
g.	0.000	1.241	1.399	2.609
	0.000	0.011	0.012	0.026
p.	1.241	0.000	1.279	3.156
	0.011	0.000	0.014	0.037
i.	1.399	1.279	0.000	2.970
	0.012	0.014	0.000	0.034
h.	2.609	3.156	2.970	0.000
	0.026	0.037	0.034	0.000

TABLE S302. KS distances on size of known words. TAG: 9. TAG: 9

	g.	p.	i.	h.
g.	0.000	2.161	1.394	4.954
	0.000	0.057	0.037	0.173
p.	2.161	0.000	1.837	5.801
	0.057	0.000	0.058	0.226
i.	1.394	1.837	0.000	5.242
	0.037	0.058	0.000	0.205
h.	4.954	5.801	5.242	0.000
	0.173	0.226	0.205	0.000

TABLE S303. KS distances on size of sentences. TAG: 9. TAG: 9

	g.	p.	i.	h.
g.	0.000	1.458	0.625	2.535
	0.000	0.038	0.017	0.089
p.	1.458	0.000	1.075	3.262
	0.038	0.000	0.034	0.127
i.	0.625	1.075	0.000	2.407
	0.017	0.034	0.000	0.094
h.	2.535	3.262	2.407	0.000
	0.089	0.127	0.094	0.000

TABLE S304. KS distances on use of adjectives on sentences. TAG: 9. TAG: 9

	g.	p.	i.	h.
g.	0.000	1.581	1.082	3.282
	0.000	0.042	0.029	0.115
p.	1.581	0.000	1.287	3.901
	0.042	0.000	0.041	0.152
i.	1.082	1.287	0.000	3.612
	0.029	0.041	0.000	0.141
h.	3.282	3.901	3.612	0.000
	0.115	0.152	0.141	0.000

TABLE S305. KS distances on use of substantives on sentences. TAG: 9. TAG: 9

	g.	p.	i.	h.
g.	0.000	1.422	1.302	3.656
	0.000	0.037	0.034	0.128
p.	1.422	0.000	0.775	4.108
	0.037	0.000	0.024	0.160
i.	1.302	0.775	0.000	4.048
	0.034	0.024	0.000	0.158
h.	3.656	4.108	4.048	0.000
	0.128	0.160	0.158	0.000

TABLE S306. KS distances on use of punctuations on sentences. TAG: 9. TAG: 9

	g.	p.	i.	h.
g.	0.000	2.430	1.479	3.537
	0.000	0.018	0.007	0.021
p.	2.430	0.000	1.849	4.234
	0.018	0.000	0.014	0.037
i.	1.479	1.849	0.000	4.198
	0.007	0.014	0.000	0.027
h.	3.537	4.234	4.198	0.000
	0.021	0.037	0.027	0.000

TABLE S307. KS distances on size of tokens. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000	1.415	1.316	2.962
	0.000	0.019	0.011	0.033
p.	1.415	0.000	0.807	3.279
	0.019	0.000	0.011	0.051
i.	1.316	0.807	0.000	3.563
	0.011	0.011	0.000	0.042
h.	2.962	3.279	3.563	0.000
	0.033	0.051	0.042	0.000

TABLE S308. KS distances on size of known words. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000	1.060	0.648	1.367
	0.000	0.041	0.016	0.042
p.	1.060	0.000	0.807	1.856
	0.041	0.000	0.033	0.084
i.	0.648	0.807	0.000	1.557
	0.016	0.033	0.000	0.052
h.	1.367	1.856	1.557	0.000
	0.042	0.084	0.052	0.000

TABLE S309. KS distances on size of sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000	0.786	0.420	0.950
	0.000	0.031	0.010	0.029
p.	0.786	0.000	0.851	1.189
	0.031	0.000	0.035	0.054
i.	0.420	0.851	0.000	1.105
	0.010	0.035	0.000	0.037
h.	0.950	1.189	1.105	0.000
	0.029	0.054	0.037	0.000

TABLE S310. KS distances on use of adjectives on sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000	1.614	0.630	1.925
	0.000	0.063	0.015	0.059
p.	1.614	0.000	1.378	2.597
	0.063	0.000	0.056	0.117
i.	0.630	1.378	0.000	2.233
	0.015	0.056	0.000	0.074
h.	1.925	2.597	2.233	0.000
	0.059	0.117	0.074	0.000

TABLE S311. KS distances on use of substantives on sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000	1.352	1.257	1.737
	0.000	0.053	0.030	0.053
p.	1.352	0.000	1.675	1.337
	0.053	0.000	0.069	0.060
i.	1.257	1.675	0.000	2.512
	0.030	0.069	0.000	0.083
h.	1.737	1.337	2.512	0.000
	0.053	0.060	0.083	0.000

TABLE S312. KS distances on use of punctuations on sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000 0.000	1.775 0.013	6.669 0.020	8.702 0.029
p.	1.775 0.013	0.000 0.000	2.528 0.019	4.864 0.038
i.	6.669 0.020	2.528 0.019	0.000 0.000	13.183 0.049
h.	8.702 0.029	4.864 0.038	13.183 0.049	0.000 0.000

TABLE S313. KS distances on size of tokens. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	0.858 0.011	2.900 0.015	3.397 0.020
p.	0.858 0.011	0.000 0.000	1.381 0.019	1.542 0.021
i.	2.900 0.015	1.381 0.019	0.000 0.000	5.398 0.035
h.	3.397 0.020	1.542 0.021	5.398 0.035	0.000 0.000

TABLE S314. KS distances on size of known words. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	1.032 0.037	2.502 0.037	2.703 0.044
p.	1.032 0.037	0.000 0.000	1.605 0.059	1.221 0.045
i.	2.502 0.037	1.605 0.059	0.000 0.000	4.453 0.081
h.	2.703 0.044	1.221 0.045	4.453 0.081	0.000 0.000

TABLE S315. KS distances on size of sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	1.273 0.046	1.514 0.023	1.662 0.027
p.	1.273 0.046	0.000 0.000	1.497 0.055	1.327 0.049
i.	1.514 0.023	1.497 0.055	0.000 0.000	2.718 0.049
h.	1.662 0.027	1.327 0.049	2.718 0.049	0.000 0.000

TABLE S316. KS distances on use of adjectives on sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	0.463 0.017	5.600 0.083	6.430 0.104
p.	0.463 0.017	0.000 0.000	2.661 0.098	2.439 0.091
i.	5.600 0.083	2.661 0.098	0.000 0.000	10.305 0.187
h.	6.430 0.104	2.439 0.091	10.305 0.187	0.000 0.000

TABLE S317. KS distances on use of substantives on sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	1.169 0.042	4.031 0.060	5.018 0.081
p.	1.169 0.042	0.000 0.000	0.918 0.034	3.000 0.112
i.	4.031 0.060	0.918 0.034	0.000 0.000	7.764 0.141
h.	5.018 0.081	3.000 0.112	7.764 0.141	0.000 0.000

TABLE S318. KS distances on use of punctuations on sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	3.431 0.017	1.936 0.007	5.031 0.023
p.	3.431 0.017	0.000 0.000	2.300 0.012	6.607 0.040
i.	1.936 0.007	2.300 0.012	0.000 0.000	5.534 0.028
h.	5.031 0.023	6.607 0.040	5.534 0.028	0.000 0.000

TABLE S319. KS distances on size of tokens. TAG: 12. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	1.272 0.012	1.992 0.013	3.365 0.028
p.	1.272 0.012	0.000 0.000	1.478 0.014	2.822 0.031
i.	1.992 0.013	1.478 0.014	0.000 0.000	4.511 0.041
h.	3.365 0.028	2.822 0.031	4.511 0.041	0.000 0.000

TABLE S320. KS distances on size of known words. TAG: 12. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	0.467 0.014	0.739 0.015	1.209 0.030
p.	0.467 0.014	0.000 0.000	0.795 0.025	1.708 0.060
i.	0.739 0.015	0.795 0.025	0.000 0.000	1.645 0.045
h.	1.209 0.030	1.708 0.060	1.645 0.045	0.000 0.000

TABLE S321. KS distances on size of sentences. TAG: 12. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	0.524 0.016	0.753 0.016	0.775 0.019
p.	0.524 0.016	0.000 0.000	0.933 0.030	0.392 0.014
i.	0.753 0.016	0.933 0.030	0.000 0.000	1.264 0.035
h.	0.775 0.019	0.392 0.014	1.264 0.035	0.000 0.000

TABLE S322. KS distances on use of adjectives on sentences. TAG: 12. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	1.086 0.032	1.181 0.024	2.204 0.055
p.	1.086 0.032	0.000 0.000	0.595 0.019	2.459 0.086
i.	1.181 0.024	0.595 0.019	0.000 0.000	2.876 0.080
h.	2.204 0.055	2.459 0.086	2.876 0.080	0.000 0.000

TABLE S323. KS distances on use of substantives on sentences. TAG: 12. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	1.110 0.033	0.585 0.012	1.165 0.029
p.	1.110 0.033	0.000 0.000	0.888 0.028	1.549 0.054
i.	0.585 0.012	0.888 0.028	0.000 0.000	1.262 0.035
h.	1.165 0.029	1.549 0.054	1.262 0.035	0.000 0.000

TABLE S324. KS distances on use of punctuations on sentences. TAG: 12. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	10.976 0.038	2.560 0.026	16.793 0.070
p.	10.976 0.038	0.000 0.000	3.591 0.037	23.932 0.108
i.	2.560 0.026	3.591 0.037	0.000 0.000	9.138 0.096
h.	16.793 0.070	23.932 0.108	9.138 0.096	0.000 0.000

TABLE S325. KS distances on size of tokens. TAG: 13. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	13.508 0.114	1.683 0.033	11.258 0.087
p.	13.508 0.114	0.000 0.000	5.819 0.119	21.250 0.201
i.	1.683 0.033	5.819 0.119	0.000 0.000	4.084 0.082
h.	11.258 0.087	21.250 0.201	4.084 0.082	0.000 0.000

TABLE S326. KS distances on size of known words. TAG: 13. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	6.520 0.157	2.066 0.121	5.351 0.119
p.	6.520 0.157	0.000 0.000	4.478 0.272	10.201 0.275
i.	2.066 0.121	4.478 0.272	0.000 0.000	1.140 0.068
h.	5.351 0.119	10.201 0.275	1.140 0.068	0.000 0.000

TABLE S327. KS distances on size of sentences. TAG: 13. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	5.233 0.126	0.820 0.048	4.254 0.094
p.	5.233 0.126	0.000 0.000	2.866 0.174	8.154 0.220
i.	0.820 0.048	2.866 0.174	0.000 0.000	0.768 0.046
h.	4.254 0.094	8.154 0.220	0.768 0.046	0.000 0.000

TABLE S328. KS distances on use of adjectives on sentences. TAG: 13. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	6.815 0.164	0.964 0.057	5.576 0.124
p.	6.815 0.164	0.000 0.000	3.632 0.220	10.649 0.287
i.	0.964 0.057	3.632 0.220	0.000 0.000	1.473 0.088
h.	5.576 0.124	10.649 0.287	1.473 0.088	0.000 0.000

TABLE S329. KS distances on use of substantives on sentences. TAG: 13. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	1.400 0.034	1.446 0.085	1.516 0.034
p.	1.400 0.034	0.000 0.000	0.879 0.053	2.413 0.065
i.	1.446 0.085	0.879 0.053	0.000 0.000	2.282 0.137
h.	1.516 0.034	2.413 0.065	2.282 0.137	0.000 0.000

TABLE S330. KS distances on use of punctuations on sentences. TAG: 13. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	1.418 0.007	1.582 0.006	2.057 0.015
p.	1.418 0.007	0.000 0.000	2.455 0.013	2.287 0.018
i.	1.582 0.006	2.455 0.013	0.000 0.000	2.778 0.021
h.	2.057 0.015	2.287 0.018	2.778 0.021	0.000 0.000

TABLE S331. KS distances on size of tokens. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	1.750 0.016	0.841 0.006	1.470 0.019
p.	1.750 0.016	0.000 0.000	2.188 0.021	1.698 0.025
i.	0.841 0.006	2.188 0.021	0.000 0.000	1.623 0.021
h.	1.470 0.019	1.698 0.025	1.623 0.021	0.000 0.000

TABLE S332. KS distances on size of known words. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	0.880 0.023	0.514 0.010	1.354 0.050
p.	0.880 0.023	0.000 0.000	1.311 0.037	1.651 0.069
i.	0.514 0.010	1.311 0.037	0.000 0.000	1.342 0.051
h.	1.354 0.050	1.651 0.069	1.342 0.051	0.000 0.000

TABLE S333. KS distances on size of sentences. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	1.467 0.039	0.462 0.009	1.011 0.037
p.	1.467 0.039	0.000 0.000	1.703 0.048	1.812 0.076
i.	0.462 0.009	1.703 0.048	0.000 0.000	0.804 0.030
h.	1.011 0.037	1.812 0.076	0.804 0.030	0.000 0.000

TABLE S334. KS distances on use of adjectives on sentences. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	1.685 0.045	0.932 0.018	1.262 0.046
p.	1.685 0.045	0.000 0.000	2.031 0.057	1.838 0.077
i.	0.932 0.018	2.031 0.057	0.000 0.000	1.225 0.046
h.	1.262 0.046	1.838 0.077	1.225 0.046	0.000 0.000

TABLE S335. KS distances on use of substantives on sentences. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	0.380 0.010	0.579 0.011	1.422 0.052
p.	0.380 0.010	0.000 0.000	0.545 0.015	1.329 0.056
i.	0.579 0.011	0.545 0.015	0.000 0.000	1.675 0.063
h.	1.422 0.052	1.329 0.056	1.675 0.063	0.000 0.000

TABLE S336. KS distances on use of punctuations on sentences. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	7.742 0.032	7.376 0.030	6.232 0.027
p.	7.742 0.032	0.000 0.000	9.366 0.047	11.348 0.059
i.	7.376 0.030	9.366 0.047	0.000 0.000	9.258 0.047
h.	6.232 0.027	11.348 0.059	9.258 0.047	0.000 0.000

TABLE S337. KS distances on size of tokens. TAG: 16. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	8.847 0.070	8.457 0.064	8.313 0.066
p.	8.847 0.070	0.000 0.000	12.210 0.116	13.624 0.133
i.	8.457 0.064	12.210 0.116	0.000 0.000	9.663 0.092
h.	8.313 0.066	13.624 0.133	9.663 0.092	0.000 0.000

TABLE S338. KS distances on size of known words. TAG: 16. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	0.999 0.029	0.848 0.021	1.308 0.030
p.	0.999 0.029	0.000 0.000	0.517 0.018	1.809 0.060
i.	0.848 0.021	0.517 0.018	0.000 0.000	1.946 0.056
h.	1.308 0.030	1.809 0.060	1.946 0.056	0.000 0.000

TABLE S339. KS distances on size of sentences. TAG: 16. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	0.614 0.018	0.809 0.020	0.755 0.017
p.	0.614 0.018	0.000 0.000	1.116 0.038	0.924 0.030
i.	0.809 0.020	1.116 0.038	0.000 0.000	1.046 0.030
h.	0.755 0.017	0.924 0.030	1.046 0.030	0.000 0.000

TABLE S340. KS distances on use of adjectives on sentences. TAG: 16. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	1.193 0.035	0.651 0.016	1.368 0.032
p.	1.193 0.035	0.000 0.000	0.855 0.029	1.999 0.066
i.	0.651 0.016	0.855 0.029	0.000 0.000	1.678 0.048
h.	1.368 0.032	1.999 0.066	1.678 0.048	0.000 0.000

TABLE S341. KS distances on use of substantives on sentences. TAG: 16. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	1.963 0.058	1.189 0.029	1.338 0.031
p.	1.963 0.058	0.000 0.000	1.882 0.064	2.517 0.083
i.	1.189 0.029	1.882 0.064	0.000 0.000	2.095 0.060
h.	1.338 0.031	2.517 0.083	2.095 0.060	0.000 0.000

TABLE S342. KS distances on use of punctuations on sentences. TAG: 16. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	2.033 0.017	0.935 0.005	0.801 0.004
p.	2.033 0.017	0.000 0.000	2.346 0.021	2.002 0.017
i.	0.935 0.005	2.346 0.021	0.000 0.000	1.316 0.007
h.	0.801 0.004	2.002 0.017	1.316 0.007	0.000 0.000

TABLE S343. KS distances on size of tokens. TAG: 17. TAG: 17

	g.	p.	i.	h.
g.	0.000 0.000	2.824 0.046	0.939 0.009	1.297 0.011
p.	2.824 0.046	0.000 0.000	2.513 0.044	3.370 0.057
i.	0.939 0.009	2.513 0.044	0.000 0.000	1.567 0.017
h.	1.297 0.011	3.370 0.057	1.567 0.017	0.000 0.000

TABLE S344. KS distances on size of known words. TAG: 17. TAG: 17

	g.	p.	i.	h.
g.	0.000 0.000	1.039 0.052	0.867 0.029	0.513 0.015
p.	1.039 0.052	0.000 0.000	1.475 0.081	0.963 0.051
i.	0.867 0.029	1.475 0.081	0.000 0.000	1.159 0.043
h.	0.513 0.015	0.963 0.051	1.159 0.043	0.000 0.000

TABLE S345. KS distances on size of sentences. TAG: 17. TAG: 17

	g.	p.	i.	h.
g.	0.000 0.000	1.054 0.053	0.564 0.019	0.642 0.019
p.	1.054 0.053	0.000 0.000	0.835 0.046	1.359 0.072
i.	0.564 0.019	0.835 0.046	0.000 0.000	0.726 0.027
h.	0.642 0.019	1.359 0.072	0.726 0.027	0.000 0.000

TABLE S346. KS distances on use of adjectives on sentences. TAG: 17. TAG: 17

	g.	p.	i.	h.
g.	0.000 0.000	0.598 0.030	1.051 0.035	0.720 0.021
p.	0.598 0.030	0.000 0.000	1.010 0.056	0.461 0.024
i.	1.051 0.035	1.010 0.056	0.000 0.000	1.499 0.056
h.	0.720 0.021	0.461 0.024	1.499 0.056	0.000 0.000

TABLE S347. KS distances on use of substantives on sentences. TAG: 17. TAG: 17

	g.	p.	i.	h.
g.	0.000 0.000	0.527 0.026	1.162 0.039	0.718 0.021
p.	0.527 0.026	0.000 0.000	1.186 0.065	0.429 0.023
i.	1.162 0.039	1.186 0.065	0.000 0.000	1.604 0.060
h.	0.718 0.021	0.429 0.023	1.604 0.060	0.000 0.000

TABLE S348. KS distances on use of punctuations on sentences. TAG: 17. TAG: 17

	g.	p.	i.	h.
g.	0.000 0.000	13.236 0.089	2.200 0.011	5.531 0.020
p.	13.236 0.089	0.000 0.000	11.490 0.089	15.301 0.106
i.	2.200 0.011	11.490 0.089	0.000 0.000	5.796 0.031
h.	5.531 0.020	15.301 0.106	5.796 0.031	0.000 0.000

TABLE S349. KS distances on size of tokens. TAG: 18. TAG: 18

	g.	p.	i.	h.
g.	0.000 0.000	10.110 0.126	1.423 0.013	4.118 0.026
p.	10.110 0.126	0.000 0.000	7.967 0.115	11.892 0.153
i.	1.423 0.013	7.967 0.115	0.000 0.000	3.889 0.038
h.	4.118 0.026	11.892 0.153	3.889 0.038	0.000 0.000

TABLE S350. KS distances on size of known words. TAG: 18. TAG: 18

	g.	p.	i.	h.
g.	0.000 0.000	1.783 0.086	0.849 0.023	0.835 0.016
p.	1.783 0.086	0.000 0.000	1.254 0.066	2.077 0.102
i.	0.849 0.023	1.254 0.066	0.000 0.000	1.494 0.043
h.	0.835 0.016	2.077 0.102	1.494 0.043	0.000 0.000

TABLE S351. KS distances on size of sentences. TAG: 18. TAG: 18

	g.	p.	i.	h.
g.	0.000 0.000	1.798 0.087	1.011 0.028	0.574 0.011
p.	1.798 0.087	0.000 0.000	1.551 0.082	1.995 0.098
i.	1.011 0.028	1.551 0.082	0.000 0.000	1.240 0.035
h.	0.574 0.011	1.995 0.098	1.240 0.035	0.000 0.000

TABLE S352. KS distances on use of adjectives on sentences. TAG: 18. TAG: 18

	g.	p.	i.	h.
g.	0.000 0.000	2.505 0.121	1.065 0.029	1.028 0.019
p.	2.505 0.121	0.000 0.000	1.885 0.100	2.856 0.140
i.	1.065 0.029	1.885 0.100	0.000 0.000	1.798 0.051
h.	1.028 0.019	2.856 0.140	1.798 0.051	0.000 0.000

TABLE S353. KS distances on use of substantives on sentences. TAG: 18. TAG: 18

	g.	p.	i.	h.
g.	0.000 0.000	0.912 0.044	1.697 0.047	0.860 0.016
p.	0.912 0.044	0.000 0.000	0.856 0.045	1.157 0.057
i.	1.697 0.047	0.856 0.045	0.000 0.000	2.196 0.063
h.	0.860 0.016	1.157 0.057	2.196 0.063	0.000 0.000

TABLE S354. KS distances on use of punctuations on sentences. TAG: 18. TAG: 18

	g.	p.	i.	h.
g.	0.000 0.000	11.827 0.087	2.027 0.014	6.832 0.033
p.	11.827 0.087	0.000 0.000	7.935 0.073	15.463 0.120
i.	2.027 0.014	7.935 0.073	0.000 0.000	6.392 0.047
h.	6.832 0.033	15.463 0.120	6.392 0.047	0.000 0.000

TABLE S355. KS distances on size of tokens. TAG: 19. TAG: 19

	g.	p.	i.	h.
g.	0.000 0.000	6.563 0.094	1.331 0.017	2.949 0.025
p.	6.563 0.094	0.000 0.000	5.110 0.090	8.000 0.120
i.	1.331 0.017	5.110 0.090	0.000 0.000	2.759 0.037
h.	2.949 0.025	8.000 0.120	2.759 0.037	0.000 0.000

TABLE S356. KS distances on size of known words. TAG: 19. TAG: 19

	g.	p.	i.	h.
g.	0.000 0.000	2.658 0.129	1.980 0.073	1.762 0.042
p.	2.658 0.129	0.000 0.000	1.347 0.077	3.446 0.170
i.	1.980 0.073	1.347 0.077	0.000 0.000	2.994 0.115
h.	1.762 0.042	3.446 0.170	2.994 0.115	0.000 0.000

TABLE S357. KS distances on size of sentences. TAG: 19. TAG: 19

	g.	p.	i.	h.
g.	0.000 0.000	1.258 0.061	0.973 0.036	0.854 0.020
p.	1.258 0.061	0.000 0.000	0.563 0.032	1.641 0.081
i.	0.973 0.036	0.563 0.032	0.000 0.000	1.466 0.056
h.	0.854 0.020	1.641 0.081	1.466 0.056	0.000 0.000

TABLE S358. KS distances on use of adjectives on sentences. TAG: 19. TAG: 19

	g.	p.	i.	h.
g.	0.000 0.000	3.507 0.170	2.882 0.106	2.388 0.057
p.	3.507 0.170	0.000 0.000	1.595 0.091	4.538 0.224
i.	2.882 0.106	1.595 0.091	0.000 0.000	4.502 0.172
h.	2.388 0.057	4.538 0.224	4.502 0.172	0.000 0.000

TABLE S359. KS distances on use of substantives on sentences. TAG: 19. TAG: 19

	g.	p.	i.	h.
g.	0.000 0.000	2.704 0.131	2.710 0.100	1.936 0.046
p.	2.704 0.131	0.000 0.000	1.441 0.082	3.561 0.176
i.	2.710 0.100	1.441 0.082	0.000 0.000	3.810 0.146
h.	1.936 0.046	3.561 0.176	3.810 0.146	0.000 0.000

TABLE S360. KS distances on use of punctuations on sentences. TAG: 19. TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
g.	0.000 0.000	2.934 0.020	3.340 0.012	4.149 0.015
p.	2.934 0.020	0.000 0.000	1.590 0.011	4.609 0.032
i.	3.340 0.012	1.590 0.011	0.000 0.000	6.365 0.027
h.	4.149 0.015	4.609 0.032	6.365 0.027	0.000 0.000

TABLE S361. KS distances on size of tokens. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000 0.000	2.427 0.029	0.975 0.006	0.725 0.005
p.	2.427 0.029	0.000 0.000	2.778 0.035	2.609 0.033
i.	0.975 0.006	2.778 0.035	0.000 0.000	1.127 0.008
h.	0.725 0.005	2.609 0.033	1.127 0.008	0.000 0.000

TABLE S362. KS distances on size of known words. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000 0.000	1.337 0.047	1.418 0.028	1.933 0.038
p.	1.337 0.047	0.000 0.000	0.519 0.019	2.482 0.092
i.	1.418 0.028	0.519 0.019	0.000 0.000	2.849 0.065
h.	1.933 0.038	2.482 0.092	2.849 0.065	0.000 0.000

TABLE S363. KS distances on size of sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000 0.000	0.451 0.016	0.606 0.012	0.673 0.013
p.	0.451 0.016	0.000 0.000	0.354 0.013	0.685 0.025
i.	0.606 0.012	0.354 0.013	0.000 0.000	1.088 0.025
h.	0.673 0.013	0.685 0.025	1.088 0.025	0.000 0.000

TABLE S364. KS distances on use of adjectives on sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000 0.000	0.398 0.014	1.291 0.025	1.374 0.027
p.	0.398 0.014	0.000 0.000	0.901 0.034	1.736 0.065
i.	1.291 0.025	0.901 0.034	0.000 0.000	2.216 0.051
h.	1.374 0.027	1.736 0.065	2.216 0.051	0.000 0.000

TABLE S365. KS distances on use of substantives on sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000 0.000	0.210 0.007	0.258 0.005	0.358 0.007
p.	0.210 0.007	0.000 0.000	0.167 0.006	1.715 0.064
i.	0.258 0.005	0.167 0.006	0.000 0.000	0.524 0.012
h.	0.358 0.007	1.715 0.064	0.524 0.012	0.000 0.000

TABLE S366. KS distances on use of punctuations on sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000 0.000	0.859 0.005	0.901 0.003	1.470 0.006
p.	0.859 0.005	0.000 0.000	0.735 0.005	1.544 0.010
i.	0.901 0.003	0.735 0.005	0.000 0.000	2.024 0.009
h.	1.470 0.006	1.544 0.010	2.024 0.009	0.000 0.000

TABLE S367. KS distances on size of tokens. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	1.876 0.025	0.944 0.007	1.727 0.015
p.	1.876 0.025	0.000 0.000	1.673 0.024	2.475 0.037
i.	0.944 0.007	1.673 0.024	0.000 0.000	2.262 0.023
h.	1.727 0.015	2.475 0.037	2.262 0.023	0.000 0.000

TABLE S368. KS distances on size of known words. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	0.581 0.017	0.318 0.005	0.566 0.011
p.	0.581 0.017	0.000 0.000	0.555 0.017	0.602 0.019
i.	0.318 0.005	0.555 0.017	0.000 0.000	0.754 0.016
h.	0.566 0.011	0.602 0.019	0.754 0.016	0.000 0.000

TABLE S369. KS distances on size of sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	0.324 0.009	0.309 0.005	0.192 0.004
p.	0.324 0.009	0.000 0.000	0.481 0.015	0.179 0.006
i.	0.309 0.005	0.481 0.015	0.000 0.000	0.418 0.009
h.	0.192 0.004	0.179 0.006	0.418 0.009	0.000 0.000

TABLE S370. KS distances on use of adjectives on sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	0.566 0.016	0.545 0.009	0.819 0.015
p.	0.566 0.016	0.000 0.000	0.623 0.019	1.013 0.032
i.	0.545 0.009	0.623 0.019	0.000 0.000	1.099 0.024
h.	0.819 0.015	1.013 0.032	1.099 0.024	0.000 0.000

TABLE S371. KS distances on use of substantives on sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	0.686 0.020	0.209 0.004	0.444 0.008
p.	0.686 0.020	0.000 0.000	0.650 0.020	0.834 0.026
i.	0.209 0.004	0.650 0.020	0.000 0.000	0.474 0.010
h.	0.444 0.008	0.834 0.026	0.474 0.010	0.000 0.000

TABLE S372. KS distances on use of punctuations on sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	2.354 0.012	5.094 0.018	4.953 0.016
p.	2.354 0.012	0.000 0.000	2.466 0.013	5.225 0.028
i.	5.094 0.018	2.466 0.013	0.000 0.000	8.423 0.034
h.	4.953 0.016	5.225 0.028	8.423 0.034	0.000 0.000

TABLE S373. KS distances on size of tokens. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	0.941 0.009	1.775 0.012	1.880 0.011
p.	0.941 0.009	0.000 0.000	1.028 0.011	1.875 0.019
i.	1.775 0.012	1.028 0.011	0.000 0.000	3.065 0.023
h.	1.880 0.011	1.875 0.019	3.065 0.023	0.000 0.000

TABLE S374. KS distances on size of known words. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.355 0.033	2.000 0.036	2.056 0.032
p.	1.355 0.033	0.000 0.000	0.508 0.014	2.407 0.063
i.	2.000 0.036	0.508 0.014	0.000 0.000	3.392 0.068
h.	2.056 0.032	2.407 0.063	3.392 0.068	0.000 0.000

TABLE S375. KS distances on size of sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	0.456 0.011	0.535 0.010	0.626 0.010
p.	0.456 0.011	0.000 0.000	0.358 0.010	0.803 0.021
i.	0.535 0.010	0.358 0.010	0.000 0.000	0.965 0.019
h.	0.626 0.010	0.803 0.021	0.965 0.019	0.000 0.000

TABLE S376. KS distances on use of adjectives on sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.377 0.034	1.081 0.019	1.536 0.024
p.	1.377 0.034	0.000 0.000	0.571 0.016	2.212 0.058
i.	1.081 0.019	0.571 0.016	0.000 0.000	2.166 0.043
h.	1.536 0.024	2.212 0.058	2.166 0.043	0.000 0.000

TABLE S377. KS distances on use of substantives on sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.496 0.037	0.935 0.017	1.297 0.020
p.	1.496 0.037	0.000 0.000	0.520 0.014	2.180 0.057
i.	0.935 0.017	0.520 0.014	0.000 0.000	1.699 0.034
h.	1.297 0.020	2.180 0.057	1.699 0.034	0.000 0.000

TABLE S378. KS distances on use of punctuations on sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	7.030 0.051	2.232 0.011	2.118 0.011
p.	7.030 0.051	0.000 0.000	7.611 0.061	7.757 0.062
i.	2.232 0.011	7.611 0.061	0.000 0.000	1.463 0.009
h.	2.118 0.011	7.757 0.062	1.463 0.009	0.000 0.000

TABLE S379. KS distances on size of tokens. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	14.419 0.219	3.291 0.041	7.307 0.091
p.	14.419 0.219	0.000 0.000	15.008 0.259	17.901 0.310
i.	3.291 0.041	15.008 0.259	0.000 0.000	4.744 0.071
h.	7.307 0.091	17.901 0.310	4.744 0.071	0.000 0.000

TABLE S380. KS distances on size of known words. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	1.726 0.059	0.424 0.011	1.236 0.032
p.	1.726 0.059	0.000 0.000	1.606 0.061	2.318 0.089
i.	0.424 0.011	1.606 0.061	0.000 0.000	1.392 0.042
h.	1.236 0.032	2.318 0.089	1.392 0.042	0.000 0.000

TABLE S381. KS distances on size of sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	3.652 0.126	1.462 0.036	0.800 0.021
p.	3.652 0.126	0.000 0.000	4.285 0.162	3.801 0.147
i.	1.462 0.036	4.285 0.162	0.000 0.000	0.515 0.016
h.	0.800 0.021	3.801 0.147	0.515 0.016	0.000 0.000

TABLE S382. KS distances on use of adjectives on sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	6.502 0.224	1.329 0.033	3.053 0.079
p.	6.502 0.224	0.000 0.000	6.856 0.260	7.660 0.296
i.	1.329 0.033	6.856 0.260	0.000 0.000	2.061 0.063
h.	3.053 0.079	7.660 0.296	2.061 0.063	0.000 0.000

TABLE S383. KS distances on use of substantives on sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	3.391 0.117	0.581 0.014	1.598 0.042
p.	3.391 0.117	0.000 0.000	3.467 0.131	4.072 0.157
i.	0.581 0.014	3.467 0.131	0.000 0.000	1.338 0.041
h.	1.598 0.042	4.072 0.157	1.338 0.041	0.000 0.000

TABLE S384. KS distances on use of punctuations on sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000	1.629	1.360	1.326
	0.000	0.013	0.010	0.007
p.	1.629	0.000	1.295	2.144
	0.013	0.000	0.013	0.018
i.	1.360	1.295	0.000	1.924
	0.010	0.013	0.000	0.015
h.	1.326	2.144	1.924	0.000
	0.007	0.018	0.015	0.000

TABLE S385. KS distances on size of tokens. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	1.889	0.546	0.812
	0.000	0.028	0.007	0.008
p.	1.889	0.000	1.845	2.243
	0.028	0.000	0.033	0.035
i.	0.546	1.845	0.000	0.778
	0.007	0.033	0.000	0.011
h.	0.812	2.243	0.778	0.000
	0.008	0.035	0.011	0.000

TABLE S386. KS distances on size of known words. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	0.541	1.309	0.795
	0.000	0.024	0.053	0.023
p.	0.541	0.000	1.467	0.875
	0.024	0.000	0.079	0.041
i.	1.309	1.467	0.000	1.762
	0.053	0.079	0.000	0.076
h.	0.795	0.875	1.762	0.000
	0.023	0.041	0.076	0.000

TABLE S387. KS distances on size of sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	0.821	0.170	0.393
	0.000	0.036	0.007	0.012
p.	0.821	0.000	0.718	1.024
	0.036	0.000	0.039	0.047
i.	0.170	0.718	0.000	0.380
	0.007	0.039	0.000	0.016
h.	0.393	1.024	0.380	0.000
	0.012	0.047	0.016	0.000

TABLE S388. KS distances on use of adjectives on sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	0.579	0.714	0.570
	0.000	0.025	0.029	0.017
p.	0.579	0.000	0.433	0.868
	0.025	0.000	0.023	0.040
i.	0.714	0.433	0.000	0.988
	0.029	0.023	0.000	0.043
h.	0.570	0.868	0.988	0.000
	0.017	0.040	0.043	0.000

TABLE S389. KS distances on use of substantives on sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	1.539	0.447	1.054
	0.000	0.067	0.018	0.031
p.	1.539	0.000	0.908	2.121
	0.067	0.000	0.049	0.098
i.	0.447	0.908	0.000	1.132
	0.018	0.049	0.000	0.049
h.	1.054	2.121	1.132	0.000
	0.031	0.098	0.049	0.000

TABLE S390. KS distances on use of punctuations on sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000 0.000	16.786 0.058	12.812 0.068	18.102 0.084
p.	16.786 0.058	0.000 0.000	22.411 0.126	28.462 0.142
i.	12.812 0.068	22.411 0.126	0.000 0.000	2.765 0.018
h.	18.102 0.084	28.462 0.142	2.765 0.018	0.000 0.000

TABLE S391. KS distances on size of tokens. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000 0.000	21.354 0.157	13.034 0.125	16.591 0.140
p.	21.354 0.157	0.000 0.000	26.617 0.283	30.990 0.296
i.	13.034 0.125	26.617 0.283	0.000 0.000	2.913 0.033
h.	16.591 0.140	30.990 0.296	2.913 0.033	0.000 0.000

TABLE S392. KS distances on size of known words. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000 0.000	2.645 0.082	0.583 0.017	1.463 0.037
p.	2.645 0.082	0.000 0.000	2.624 0.099	3.425 0.119
i.	0.583 0.017	2.624 0.099	0.000 0.000	1.040 0.035
h.	1.463 0.037	3.425 0.119	1.040 0.035	0.000 0.000

TABLE S393. KS distances on size of sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000 0.000	1.935 0.060	0.709 0.021	0.829 0.021
p.	1.935 0.060	0.000 0.000	2.139 0.080	2.330 0.081
i.	0.709 0.021	2.139 0.080	0.000 0.000	0.633 0.021
h.	0.829 0.021	2.330 0.081	0.633 0.021	0.000 0.000

TABLE S394. KS distances on use of adjectives on sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000 0.000	3.430 0.106	1.180 0.035	1.541 0.039
p.	3.430 0.106	0.000 0.000	3.731 0.140	4.181 0.145
i.	1.180 0.035	3.731 0.140	0.000 0.000	0.570 0.019
h.	1.541 0.039	4.181 0.145	0.570 0.019	0.000 0.000

TABLE S395. KS distances on use of substantives on sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000 0.000	1.641 0.051	0.488 0.014	0.797 0.020
p.	1.641 0.051	0.000 0.000	1.726 0.065	2.044 0.071
i.	0.488 0.014	1.726 0.065	0.000 0.000	0.935 0.031
h.	0.797 0.020	2.044 0.071	0.935 0.031	0.000 0.000

TABLE S396. KS distances on use of punctuations on sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000 0.000	1.392 0.012	1.775 0.007	2.365 0.010
p.	1.392 0.012	0.000 0.000	1.068 0.009	2.120 0.019
i.	1.775 0.007	1.068 0.009	0.000 0.000	3.548 0.017
h.	2.365 0.010	2.120 0.019	3.548 0.017	0.000 0.000

TABLE S397. KS distances on size of tokens. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	1.344 0.020	1.266 0.009	1.067 0.008
p.	1.344 0.020	0.000 0.000	1.393 0.022	1.571 0.025
i.	1.266 0.009	1.393 0.022	0.000 0.000	1.989 0.017
h.	1.067 0.008	1.571 0.025	1.989 0.017	0.000 0.000

TABLE S398. KS distances on size of known words. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	0.714 0.031	1.185 0.024	1.357 0.028
p.	0.714 0.031	0.000 0.000	0.781 0.035	1.274 0.057
i.	1.185 0.024	0.781 0.035	0.000 0.000	2.105 0.050
h.	1.357 0.028	1.274 0.057	2.105 0.050	0.000 0.000

TABLE S399. KS distances on size of sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	0.729 0.031	0.727 0.014	0.615 0.013
p.	0.729 0.031	0.000 0.000	0.967 0.043	0.693 0.031
i.	0.727 0.014	0.967 0.043	0.000 0.000	1.145 0.027
h.	0.615 0.013	0.693 0.031	1.145 0.027	0.000 0.000

TABLE S400. KS distances on use of adjectives on sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	0.851 0.036	2.151 0.043	2.036 0.042
p.	0.851 0.036	0.000 0.000	1.786 0.079	0.511 0.023
i.	2.151 0.043	1.786 0.079	0.000 0.000	3.575 0.085
h.	2.036 0.042	0.511 0.023	3.575 0.085	0.000 0.000

TABLE S401. KS distances on use of substantives on sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	0.733 0.031	1.642 0.033	1.823 0.038
p.	0.733 0.031	0.000 0.000	0.690 0.031	1.543 0.069
i.	1.642 0.033	0.690 0.031	0.000 0.000	2.963 0.070
h.	1.823 0.038	1.543 0.069	2.963 0.070	0.000 0.000

TABLE S402. KS distances on use of punctuations on sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000	3.293	1.990	1.440
	0.000	0.020	0.010	0.012
p.	3.293	0.000	4.432	2.850
	0.020	0.000	0.029	0.026
i.	1.990	4.432	0.000	1.775
	0.010	0.029	0.000	0.015
h.	1.440	2.850	1.775	0.000
	0.012	0.026	0.015	0.000

TABLE S403. KS distances on size of tokens. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000	6.079	3.364	1.795
	0.000	0.068	0.030	0.026
p.	6.079	0.000	7.967	5.629
	0.068	0.000	0.096	0.094
i.	3.364	7.967	0.000	1.601
	0.030	0.096	0.000	0.024
h.	1.795	5.629	1.601	0.000
	0.026	0.094	0.024	0.000

TABLE S404. KS distances on size of known words. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000	1.223	0.757	0.526
	0.000	0.041	0.019	0.024
p.	1.223	0.000	1.635	1.039
	0.041	0.000	0.058	0.053
i.	0.757	1.635	0.000	0.633
	0.019	0.058	0.000	0.030
h.	0.526	1.039	0.633	0.000
	0.024	0.053	0.030	0.000

TABLE S405. KS distances on size of sentences. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000	0.713	0.456	0.932
	0.000	0.024	0.012	0.042
p.	0.713	0.000	0.832	0.941
	0.024	0.000	0.030	0.048
i.	0.456	0.832	0.000	1.145
	0.012	0.030	0.000	0.053
h.	0.932	0.941	1.145	0.000
	0.042	0.048	0.053	0.000

TABLE S406. KS distances on use of adjectives on sentences. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000	1.289	0.912	1.011
	0.000	0.043	0.023	0.045
p.	1.289	0.000	1.844	1.557
	0.043	0.000	0.066	0.080
i.	0.912	1.844	0.000	1.065
	0.023	0.066	0.000	0.050
h.	1.011	1.557	1.065	0.000
	0.045	0.080	0.050	0.000

TABLE S407. KS distances on use of substantives on sentences. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000	1.048	0.636	0.445
	0.000	0.035	0.016	0.020
p.	1.048	0.000	1.430	0.759
	0.035	0.000	0.051	0.039
i.	0.636	1.430	0.000	0.500
	0.016	0.051	0.000	0.023
h.	0.445	0.759	0.500	0.000
	0.020	0.039	0.023	0.000

TABLE S408. KS distances on use of punctuations on sentences. TAG: 15. TAG: 15

I. Correlation of topological and textual metrics

1. Snapshots of 1000 messages

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	0.07	0.04	-0.02	0.03	-0.00	0.06	0.04	0.13
(p.)	**1.02**	0.24	0.14	-0.03	0.01	-0.09	-0.06	-0.05	0.00
(i.)	**1.02**	-0.24	-0.21	-0.20	-0.14	-0.17	-0.10	-0.11	-0.16
(h.)	**1.14**	**-0.86**	-0.14	-0.04	0.31	0.20	0.27	0.10	-0.01
d	0.07	**1.01**	**0.96**	0.08	0.10	0.09	0.13	0.09	0.24
	0.24	**1.02**	**0.82**	-0.17	0.01	-0.27	-0.04	-0.23	-0.05
	-0.24	**1.02**	**0.96**	0.21	0.05	0.23	0.04	0.13	0.09
	-0.86	**1.14**	**0.77**	0.52	0.07	0.08	-0.07	0.15	0.31
s	0.04	**0.96**	**1.01**	0.07	0.10	0.09	0.13	0.09	0.23
	0.14	**0.82**	**1.02**	-0.16	-0.01	-0.21	-0.03	-0.18	-0.04
	-0.21	**0.96**	**1.02**	0.14	0.06	0.15	0.05	0.08	0.11
	-0.14	**0.77**	**1.14**	0.50	0.18	0.49	0.22	0.50	0.40
$\mu_S(p)$	-0.02	0.08	0.07	**1.01**	**0.63**	**0.78**	0.49	**0.63**	0.45
	-0.03	-0.17	-0.16	**1.02**	**0.64**	**0.75**	**0.62**	**0.61**	0.54
	-0.20	0.21	0.14	**1.02**	**0.62**	**0.87**	0.40	**0.69**	0.33
	-0.04	0.52	0.50	**1.14**	**0.89**	0.01	0.39	-0.01	0.56
$\sigma_S(p)$	0.03	0.10	0.10	**0.63**	**1.01**	0.28	**0.75**	0.11	0.59
	0.01	0.01	-0.01	**0.64**	**1.02**	0.21	**0.74**	0.09	0.57
	-0.14	0.05	0.06	**0.62**	**1.02**	0.36	**0.81**	0.10	**0.62**
	0.31	0.07	0.18	**0.89**	**1.14**	0.36	**0.80**	0.28	**0.76**
$\mu_S(kw)$	-0.00	0.09	0.09	**0.78**	0.28	**1.01**	0.44	**0.92**	0.46
	-0.09	-0.27	-0.21	**0.75**	0.21	**1.02**	0.45	**0.95**	0.44
	-0.17	0.23	0.15	**0.87**	0.36	**1.02**	0.42	**0.90**	0.44
	0.20	0.08	0.49	0.01	0.36	**1.14**	**0.95**	**1.13**	**0.92**
$\sigma_S(kw)$	0.06	0.13	0.13	0.49	**0.75**	0.44	**1.01**	0.26	**0.85**
	-0.06	-0.04	-0.03	**0.62**	**0.74**	0.45	**1.02**	0.31	**0.93**
	-0.10	0.04	0.05	0.40	**0.81**	0.42	**1.02**	0.17	**0.82**
	0.27	-0.07	0.22	0.39	**0.80**	**0.95**	**1.14**	**0.91**	**1.05**
$\mu_S(sw)$	0.04	0.09	0.09	**0.63**	0.11	**0.92**	0.26	**1.01**	0.38
	-0.05	-0.23	-0.18	**0.61**	0.09	**0.95**	0.31	**1.02**	0.39
	-0.11	0.13	0.08	**0.69**	0.10	**0.90**	0.17	**1.02**	0.32
	0.10	0.15	0.50	-0.01	0.28	**1.13**	**0.91**	**1.14**	**0.92**
$\sigma_S(sw)$	0.13	0.24	0.23	0.45	0.59	0.46	**0.85**	0.38	**1.01**
	0.00	-0.05	-0.04	0.54	0.57	0.44	**0.93**	0.39	**1.02**
	-0.16	0.09	0.11	0.33	**0.62**	0.44	**0.82**	0.32	**1.02**
	-0.01	0.31	0.40	0.56	**0.76**	**0.92**	**1.05**	**0.92**	**1.14**

TABLE S409. Pierson correlation coefficient for the topological and textual measures. TAG: 0

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	0.12	0.11	0.02	0.03	0.09	0.10	-0.03	0.01
(p.)	**1.01**	0.31	0.23	-0.01	0.01	0.06	0.09	-0.09	-0.07
(i.)	**1.02**	-0.22	-0.19	0.27	0.28	0.22	0.18	0.17	0.18
(h.)	**1.05**	-0.33	-0.28	0.26	0.04	0.25	0.03	0.34	0.21
d	0.12	**1.01**	**0.99**	-0.06	-0.04	-0.06	-0.01	0.03	0.11
	0.31	**1.01**	**0.92**	-0.20	-0.20	-0.16	-0.16	0.08	0.07
	-0.22	**1.02**	**0.93**	-0.27	-0.25	-0.19	-0.15	-0.00	0.01
	-0.33	**1.05**	**1.01**	-0.28	-0.19	-0.16	0.05	-0.14	0.01
s	0.11	**0.99**	**1.01**	-0.06	-0.03	-0.06	-0.01	0.02	0.10
	0.23	**0.92**	**1.01**	-0.17	-0.18	-0.13	-0.15	0.13	0.13
	-0.19	**0.93**	**1.02**	-0.25	-0.19	-0.16	-0.08	-0.04	-0.04
	-0.28	**1.01**	**1.05**	-0.32	-0.23	-0.25	-0.02	-0.16	0.00
$\mu_S(p)$	0.02	-0.06	-0.06	**1.01**	**0.98**	**0.83**	**0.81**	0.10	0.16
	-0.01	-0.20	-0.17	**1.01**	**1.00**	**0.84**	**0.84**	0.04	0.15
	0.27	-0.27	-0.25	**1.02**	**0.91**	**0.93**	**0.80**	0.45	0.22
	0.26	-0.28	-0.32	**1.05**	**0.83**	**0.69**	0.55	0.44	0.33
$\sigma_S(p)$	0.03	-0.04	-0.03	**0.98**	**1.01**	**0.78**	**0.83**	0.05	0.13
	0.01	-0.20	-0.18	**1.00**	**1.01**	**0.82**	**0.85**	0.01	0.12
	0.28	-0.25	-0.19	**0.91**	**1.02**	**0.82**	**0.91**	0.37	0.22
	0.04	-0.19	-0.23	**0.83**	**1.05**	0.52	**0.65**	0.24	0.23
$\mu_S(kw)$	0.09	-0.06	-0.06	**0.83**	**0.78**	**1.01**	**0.92**	0.42	0.41
	0.06	-0.16	-0.13	**0.84**	**0.82**	**1.01**	**0.95**	0.36	0.40
	0.22	-0.19	-0.16	**0.93**	**0.82**	**1.02**	**0.88**	**0.61**	0.37
	0.25	-0.16	-0.25	**0.69**	0.52	**1.05**	**0.86**	**0.85**	**0.73**
$\sigma_S(kw)$	0.10	-0.01	-0.01	**0.81**	**0.83**	**0.92**	**1.01**	0.31	0.41
	0.09	-0.16	-0.15	**0.84**	**0.85**	**0.95**	**1.01**	0.26	0.41
	0.18	-0.15	-0.08	**0.80**	**0.91**	**0.88**	**1.02**	0.48	0.34
	0.03	0.05	-0.02	0.55	**0.65**	**0.86**	**1.05**	0.55	0.57
$\mu_S(sw)$	-0.03	0.03	0.02	0.10	0.05	0.42	0.31	**1.01**	**0.84**
	-0.09	0.08	0.13	0.04	0.01	0.36	0.26	**1.01**	**0.84**
	0.17	-0.00	-0.04	0.45	0.37	**0.61**	0.48	**1.02**	**0.85**
	0.34	-0.14	-0.16	0.44	0.24	**0.85**	0.55	**1.05**	**0.97**
$\sigma_S(sw)$	0.01	0.11	0.10	0.16	0.13	0.41	0.41	**0.84**	**1.01**
	-0.07	0.07	0.13	0.15	0.12	0.40	0.41	**0.84**	**1.01**
	0.18	0.01	-0.04	0.22	0.22	0.37	0.34	**0.85**	**1.02**
	0.21	0.01	0.00	0.33	0.23	**0.73**	0.57	**0.97**	**1.05**

TABLE S410. Pierson correlation coefficient for the topological and textual measures. TAG: 2

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	-0.06	-0.07	0.20	0.26	0.27	0.35	0.34	0.35
(p.)	**1.02**	**0.65**	0.46	0.11	0.26	0.33	0.38	0.45	0.43
(i.)	**1.03**	**-0.77**	-0.39	0.20	0.13	-0.07	0.07	-0.21	-0.22
(h.)	**1.17**	**-0.87**	**-0.85**	-0.03	-0.11	0.07	-0.28	0.18	-0.17
d	-0.06	**1.01**	**0.98**	-0.02	0.02	0.01	0.06	0.06	0.13
	0.65	**1.02**	**0.68**	0.18	0.21	0.41	0.39	0.49	0.46
	-0.77	**1.03**	0.54	-0.22	-0.12	-0.00	-0.05	0.09	0.08
	-0.87	**1.17**	**1.16**	-0.37	-0.39	-0.44	-0.24	-0.39	0.16
s	-0.07	**0.98**	**1.01**	-0.01	0.04	-0.02	0.07	0.00	0.10
	0.46	**0.68**	**1.02**	0.21	0.35	0.34	0.44	0.31	0.32
	-0.39	0.54	**1.03**	0.05	0.36	0.05	0.38	-0.02	0.15
	-0.85	**1.16**	**1.17**	-0.32	-0.35	-0.46	-0.22	-0.47	0.09
$\mu_S(p)$	0.20	-0.02	-0.01	**1.01**	**0.86**	**0.63**	**0.75**	0.19	0.37
	0.11	0.18	0.21	**1.02**	**0.82**	**0.66**	**0.68**	0.35	0.49
	0.20	-0.22	0.05	**1.03**	**0.88**	**0.64**	**0.79**	-0.05	0.23
	-0.03	-0.37	-0.32	**1.17**	**1.09**	**0.89**	**1.00**	0.34	0.50
$\sigma_S(p)$	0.26	0.02	0.04	**0.86**	**1.01**	0.52	**0.92**	0.15	0.39
	0.26	0.21	0.35	**0.82**	**1.02**	**0.60**	**0.91**	0.31	0.55
	0.13	-0.12	0.36	**0.88**	**1.03**	0.51	**0.97**	-0.11	0.23
	-0.11	-0.39	-0.35	**1.09**	**1.17**	**0.97**	**1.13**	0.54	0.47
$\mu_S(kw)$	0.27	0.01	-0.02	**0.63**	0.52	**1.01**	**0.70**	**0.77**	**0.75**
	0.33	0.41	0.34	**0.66**	**0.60**	**1.02**	**0.75**	**0.81**	**0.73**
	-0.07	-0.00	0.05	**0.64**	0.51	**1.03**	**0.67**	**0.70**	**0.80**
	0.07	-0.44	-0.46	**0.89**	**0.97**	**1.17**	**1.02**	**0.96**	**0.81**
$\sigma_S(kw)$	0.35	0.06	0.07	**0.75**	**0.92**	**0.70**	**1.01**	0.39	**0.64**
	0.38	0.39	0.44	**0.68**	**0.91**	**0.75**	**1.02**	0.53	**0.77**
	0.07	-0.05	0.38	**0.79**	**0.97**	**0.67**	**1.03**	0.12	0.46
	-0.28	-0.24	-0.22	**1.00**	**1.13**	**1.02**	**1.17**	**0.68**	0.59
$\mu_S(sw)$	0.34	0.06	0.00	0.19	0.15	**0.77**	0.39	**1.01**	**0.84**
	0.45	0.49	0.31	0.35	0.31	**0.81**	0.53	**1.02**	**0.83**
	-0.21	0.09	-0.02	-0.05	-0.11	**0.70**	0.12	**1.03**	**0.89**
	0.18	-0.39	-0.47	0.34	0.54	**0.96**	**0.68**	**1.17**	**0.82**
$\sigma_S(sw)$	0.35	0.13	0.10	0.37	0.39	**0.75**	**0.64**	**0.84**	**1.01**
	0.43	0.46	0.32	0.49	0.55	**0.73**	**0.77**	**0.83**	**1.02**
	-0.22	0.08	0.15	0.23	0.23	**0.80**	0.46	**0.89**	**1.03**
	-0.17	0.16	0.09	0.50	0.47	**0.81**	0.59	**0.82**	**1.17**

TABLE S411. Pierson correlation coefficient for the topological and textual measures. TAG: 3

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.20	0.19	-0.02	0.00	-0.02	-0.01	-0.00	0.02
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.02**	0.53	0.27	-0.03	-0.05	-0.13	-0.11	-0.18	-0.10
(h.)	**1.09**	-0.41	-0.36	0.51	**0.69**	**0.62**	0.50	**0.78**	**0.74**
d	0.20	**1.00**	**0.99**	-0.02	-0.01	-0.02	-0.01	-0.00	0.01
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.53	**1.02**	**0.78**	0.00	0.10	-0.10	0.04	-0.16	-0.01
	-0.41	**1.09**	**1.08**	-0.21	-0.17	-0.17	-0.15	-0.14	-0.26
s	0.19	**0.99**	**1.00**	-0.02	-0.00	-0.02	-0.01	0.00	0.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.27	**0.78**	**1.02**	0.05	0.21	0.01	0.17	0.09	0.32
	-0.36	**1.08**	**1.09**	-0.16	-0.11	-0.16	-0.11	-0.13	-0.21
$\mu_S(p)$	-0.02	-0.02	-0.02	**1.00**	**0.87**	**0.91**	**0.75**	0.09	0.08
	0.00	0.00	0.00	**1.00**	**0.87**	**0.91**	**0.75**	0.09	0.08
	-0.03	0.00	0.05	**1.02**	**0.96**	**0.94**	**0.95**	0.38	0.47
	0.51	-0.21	-0.16	**1.09**	**0.97**	**0.98**	**0.99**	0.54	**0.61**
$\sigma_S(p)$	0.00	-0.01	-0.00	**0.87**	**1.00**	**0.85**	**0.92**	0.07	0.18
	0.00	0.00	0.00	**0.87**	**1.00**	**0.85**	**0.92**	0.07	0.17
	-0.05	0.10	0.21	**0.96**	**1.02**	**0.87**	**1.00**	0.38	0.55
	0.69	-0.17	-0.11	**0.97**	**1.09**	**0.85**	**1.00**	**0.66**	**0.80**
$\mu_S(kw)$	-0.02	-0.02	-0.02	**0.91**	**0.85**	**1.00**	**0.85**	0.36	0.20
	0.00	0.00	0.00	**0.91**	**0.85**	**1.00**	**0.86**	0.36	0.21
	-0.13	-0.10	0.01	**0.94**	**0.87**	**1.02**	**0.93**	**0.65**	0.52
	0.62	-0.17	-0.16	**0.98**	**0.85**	**1.09**	**0.87**	**0.77**	**0.65**
$\sigma_S(kw)$	-0.01	-0.01	-0.01	**0.75**	**0.92**	**0.85**	**1.00**	0.14	0.33
	0.00	0.00	0.00	**0.75**	**0.92**	**0.86**	**1.00**	0.13	0.32
	-0.11	0.04	0.17	**0.95**	**1.00**	**0.93**	**1.02**	0.47	**0.61**
	0.50	-0.15	-0.11	**0.99**	**1.00**	**0.87**	**1.09**	0.46	0.54
$\mu_S(sw)$	-0.00	-0.00	0.00	0.09	0.07	0.36	0.14	**1.00**	0.43
	0.00	0.00	0.00	0.09	0.07	0.36	0.13	**1.00**	0.43
	-0.18	-0.16	0.09	0.38	0.38	**0.65**	0.47	**1.02**	**0.61**
	0.78	-0.14	-0.13	0.54	**0.66**	**0.77**	0.46	**1.09**	**0.99**
$\sigma_S(sw)$	0.02	0.01	0.02	0.08	0.18	0.20	0.33	0.43	**1.00**
	0.00	0.00	0.00	0.08	0.17	0.21	0.32	0.43	**1.00**
	-0.10	-0.01	0.32	0.47	0.55	0.52	**0.61**	**0.61**	**1.02**
	0.74	-0.26	-0.21	**0.61**	**0.80**	**0.65**	0.54	**0.99**	**1.09**

TABLE S412. Pierson correlation coefficient for the topological and textual measures. TAG: 6

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	0.14	0.13	0.00	0.07	-0.06	0.05	0.01	0.07
(p.)	**1.01**	0.29	0.28	-0.04	0.02	-0.09	0.02	-0.03	0.02
(i.)	**1.01**	0.19	0.15	0.12	0.19	-0.03	0.10	0.07	0.12
(h.)	**1.06**	-0.40	-0.22	0.04	-0.16	-0.03	-0.23	0.02	-0.06
d	0.14	**1.01**	**0.98**	0.08	0.16	0.10	0.26	0.18	0.33
	0.29	**1.01**	**0.92**	0.05	0.10	-0.16	-0.05	-0.13	-0.08
	0.19	**1.01**	**0.90**	0.16	0.27	0.06	0.36	0.16	0.27
	-0.40	**1.06**	**0.94**	0.14	0.16	0.13	0.14	0.20	0.20
s	0.13	**0.98**	**1.01**	0.06	0.14	0.10	0.25	0.17	0.32
	0.28	**0.92**	**1.01**	0.04	0.07	-0.13	-0.03	-0.10	-0.04
	0.15	**0.90**	**1.01**	0.06	0.19	0.02	0.33	0.11	0.24
	-0.22	**0.94**	**1.06**	0.13	0.12	0.08	0.12	0.12	0.11
$\mu_S(p)$	0.00	0.08	0.06	**1.01**	**0.79**	**0.76**	**0.61**	0.35	0.36
	-0.04	0.05	0.04	**1.01**	**0.87**	**0.73**	**0.60**	0.30	0.37
	0.12	0.16	0.06	**1.01**	**0.65**	**0.78**	**0.63**	0.27	0.18
	0.04	0.14	0.13	**1.06**	**0.89**	**1.03**	**0.78**	**0.95**	**0.88**
$\sigma_S(p)$	0.07	0.16	0.14	**0.79**	**1.01**	0.49	**0.79**	0.24	0.53
	0.02	0.10	0.07	**0.87**	**1.01**	0.54	**0.78**	0.22	0.55
	0.19	0.27	0.19	**0.65**	**1.01**	0.35	**0.81**	0.16	0.41
	-0.16	0.16	0.12	**0.89**	**1.06**	**0.87**	**1.02**	**0.75**	**0.91**
$\mu_S(kw)$	-0.06	0.10	0.10	**0.76**	0.49	**1.01**	**0.64**	**0.66**	0.46
	-0.09	-0.16	-0.13	**0.73**	0.54	**1.01**	**0.63**	**0.64**	0.45
	-0.03	0.06	0.02	**0.78**	0.35	**1.01**	**0.62**	0.55	0.27
	-0.03	0.13	0.08	**1.03**	**0.87**	**1.06**	**0.80**	**0.99**	**0.92**
$\sigma_S(kw)$	0.05	0.26	0.25	**0.61**	**0.79**	**0.64**	**1.01**	0.39	**0.70**
	0.02	-0.05	-0.03	**0.60**	**0.78**	**0.63**	**1.01**	0.33	**0.73**
	0.10	0.36	0.33	**0.63**	**0.81**	**0.62**	**1.01**	0.35	0.46
	-0.23	0.14	0.12	**0.78**	**1.02**	**0.80**	**1.06**	**0.69**	**0.92**
$\mu_S(sw)$	0.01	0.18	0.17	0.35	0.24	**0.66**	0.39	**1.01**	**0.71**
	-0.03	-0.13	-0.10	0.30	0.22	**0.64**	0.33	**1.01**	**0.66**
	0.07	0.16	0.11	0.27	0.16	0.55	0.35	**1.01**	**0.72**
	0.02	0.20	0.12	**0.95**	**0.75**	**0.99**	**0.69**	**1.06**	**0.95**
$\sigma_S(sw)$	0.07	0.33	0.32	0.36	0.53	0.46	**0.70**	**0.71**	**1.01**
	0.02	-0.08	-0.04	0.37	0.55	0.45	**0.73**	**0.66**	**1.01**
	0.12	0.27	0.24	0.18	0.41	0.27	0.46	**0.72**	**1.01**
	-0.06	0.20	0.11	**0.88**	**0.91**	**0.92**	**0.92**	**0.95**	**1.06**

TABLE S413. Pierson correlation coefficient for the topological and textual measures. TAG: 7

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	0.17	0.09	-0.06	-0.03	-0.03	-0.06	0.24	0.09
(p.)	**1.01**	0.30	0.29	-0.05	-0.06	-0.01	-0.06	0.25	-0.03
(i.)	**1.02**	-0.02	0.03	0.36	0.21	0.11	-0.01	0.07	-0.15
(h.)	**1.13**	**-0.77**	**-0.71**	-0.54	-0.42	-0.20	-0.13	0.01	0.08
d	0.17	**1.01**	**0.96**	-0.07	-0.03	-0.02	-0.00	0.15	0.26
	0.30	**1.01**	**0.96**	-0.22	-0.21	-0.15	-0.19	0.15	-0.14
	-0.02	**1.02**	**0.91**	-0.07	0.02	0.16	0.20	0.23	0.32
	-0.77	**1.12**	**1.07**	-0.08	-0.19	-0.13	-0.40	-0.05	-0.07
s	0.09	**0.96**	**1.01**	-0.04	-0.01	-0.01	0.01	0.11	0.21
	0.29	**0.96**	**1.01**	-0.20	-0.19	-0.14	-0.17	0.12	-0.13
	0.03	**0.91**	**1.02**	-0.09	-0.01	0.13	0.15	0.25	0.29
	-0.71	**1.07**	**1.13**	0.07	0.03	-0.06	-0.20	-0.13	-0.10
$\mu_S(p)$	-0.06	-0.07	-0.04	**1.01**	**0.95**	**0.96**	**0.93**	0.14	0.27
	-0.05	-0.22	-0.20	**1.01**	**0.97**	**0.97**	**0.95**	0.18	0.39
	0.36	-0.07	-0.09	**1.02**	**0.94**	0.36	0.58	-0.03	0.05
	-0.54	-0.08	0.07	**1.12**	**0.96**	**0.70**	**0.96**	0.11	0.42
$\sigma_S(p)$	-0.03	-0.03	-0.01	**0.95**	**1.01**	**0.90**	**0.97**	0.11	0.33
	-0.06	-0.21	-0.19	**0.97**	**1.01**	**0.93**	**0.99**	0.14	0.45
	0.21	0.02	-0.01	**0.94**	**1.02**	0.33	**0.62**	-0.06	0.05
	-0.42	-0.19	0.03	**0.96**	**1.12**	0.54	**1.01**	-0.14	0.01
$\mu_S(kw)$	-0.03	-0.02	-0.01	**0.96**	**0.90**	**1.01**	**0.93**	0.37	0.43
	-0.01	-0.15	-0.14	**0.97**	**0.93**	**1.01**	**0.95**	0.38	0.50
	0.11	0.16	0.13	0.36	0.33	**1.02**	**0.70**	**0.82**	**0.79**
	-0.20	-0.13	-0.06	**0.70**	0.54	**1.12**	**0.82**	**0.88**	**0.85**
$\sigma_S(kw)$	-0.06	-0.00	0.01	**0.93**	**0.97**	**0.93**	**1.01**	0.20	0.50
	-0.06	-0.19	-0.17	**0.95**	**0.99**	**0.95**	**1.01**	0.21	0.58
	-0.01	0.20	0.15	0.58	**0.62**	**0.70**	**1.02**	0.36	**0.66**
	-0.13	-0.40	-0.20	**0.96**	**1.01**	**0.82**	**1.12**	0.20	0.43
$\mu_S(sw)$	0.24	0.15	0.11	0.14	0.11	0.37	0.20	**1.01**	0.50
	0.25	0.15	0.12	0.18	0.14	0.38	0.21	**1.01**	0.37
	0.07	0.23	0.25	-0.03	-0.06	**0.82**	0.36	**1.02**	**0.83**
	0.01	-0.05	-0.13	0.11	-0.14	**0.88**	0.20	**1.12**	**0.86**
$\sigma_S(sw)$	0.09	0.26	0.21	0.27	0.33	0.43	0.50	0.50	**1.01**
	-0.03	-0.14	-0.13	0.39	0.45	0.50	0.58	0.37	**1.01**
	-0.15	0.32	0.29	0.05	0.05	**0.79**	**0.66**	**0.83**	**1.02**
	0.08	-0.07	-0.10	0.42	0.01	**0.85**	0.43	**0.86**	**1.12**

TABLE S414. Pierson correlation coefficient for the topological and textual measures. TAG: 8

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.05	0.04	-0.04	0.00	-0.02	0.01	-0.00	0.00
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.01**	-0.11	-0.18	-0.19	-0.11	-0.23	-0.17	-0.17	-0.15
(h.)	**1.17**	**-0.78**	**-0.78**	0.11	0.15	-0.07	0.05	-0.53	-0.37
d	0.05	**1.00**	**1.00**	0.07	0.06	0.18	0.20	0.25	0.28
	0.00	**1.00**	**0.93**	0.06	0.08	0.06	0.06	0.07	0.06
	-0.11	**1.01**	**0.91**	0.01	0.02	0.01	0.06	0.07	0.10
	-0.78	**1.17**	**1.17**	-0.05	-0.04	0.17	0.14	**0.65**	0.58
s	0.04	**1.00**	**1.00**	0.09	0.07	0.19	0.22	0.25	0.29
	0.00	**0.93**	**1.00**	0.12	0.17	0.15	0.14	0.15	0.18
	-0.18	**0.91**	**1.01**	0.11	0.12	0.09	0.22	0.08	0.12
	-0.78	**1.17**	**1.17**	-0.00	0.01	0.21	0.19	**0.68**	**0.62**
$\mu_S(p)$	-0.04	0.07	0.09	**1.00**	**0.86**	**0.61**	**0.68**	0.25	0.35
	0.00	0.06	0.12	**1.00**	**0.84**	0.55	0.57	0.12	0.20
	-0.19	0.01	0.11	**1.01**	**0.93**	**0.65**	**0.82**	0.43	0.53
	0.11	-0.05	-0.00	**1.17**	**1.16**	**1.12**	**1.13**	**0.77**	**0.88**
$\sigma_S(p)$	0.00	0.06	0.07	**0.86**	**1.00**	0.40	**0.71**	0.15	0.41
	0.00	0.08	0.17	**0.84**	**1.00**	0.37	0.59	0.05	0.28
	-0.11	0.02	0.12	**0.93**	**1.01**	0.39	**0.83**	0.21	0.57
	0.15	-0.04	0.01	**1.16**	**1.17**	**1.10**	**1.12**	**0.71**	**0.85**
$\mu_S(kw)$	-0.02	0.18	0.19	**0.61**	0.40	**1.00**	**0.65**	**0.78**	0.51
	0.00	0.06	0.15	0.55	0.37	**1.00**	**0.65**	**0.72**	0.48
	-0.23	0.01	0.09	**0.65**	0.39	**1.01**	0.54	**0.87**	0.40
	-0.07	0.17	0.21	**1.12**	**1.10**	**1.17**	**1.16**	**0.97**	**1.05**
$\sigma_S(kw)$	0.01	0.20	0.22	**0.68**	**0.71**	**0.65**	**1.00**	0.42	**0.76**
	0.00	0.06	0.14	0.57	0.59	**0.65**	**1.00**	0.36	**0.73**
	-0.17	0.06	0.22	**0.82**	**0.83**	0.54	**1.01**	0.35	**0.75**
	0.05	0.14	0.19	**1.13**	**1.12**	**1.16**	**1.17**	**0.91**	**1.02**
$\mu_S(sw)$	-0.00	0.25	0.25	0.25	0.15	**0.78**	0.42	**1.00**	**0.61**
	0.00	0.07	0.15	0.12	0.05	**0.72**	0.36	**1.00**	0.57
	-0.17	0.07	0.08	0.43	0.21	**0.87**	0.35	**1.01**	0.53
	-0.53	**0.65**	**0.68**	**0.77**	**0.71**	**0.97**	**0.91**	**1.17**	**1.14**
$\sigma_S(sw)$	0.00	0.28	0.29	0.35	0.41	0.51	**0.76**	**0.61**	**1.00**
	0.00	0.06	0.18	0.20	0.28	0.48	**0.73**	0.57	**1.00**
	-0.15	0.10	0.12	0.53	0.57	0.40	**0.75**	0.53	**1.01**
	-0.37	0.58	**0.62**	**0.88**	**0.85**	**1.05**	**1.02**	**1.14**	**1.17**

TABLE S415. Pierson correlation coefficient for the topological and textual measures. TAG: 9

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.08	0.05	-0.03	0.01	-0.02	0.03	0.10	0.12
(p.)	**1.01**	0.45	0.41	-0.07	-0.09	-0.04	-0.02	0.05	0.08
(i.)	**1.01**	-0.07	-0.06	0.07	0.02	0.04	-0.01	0.06	0.05
(h.)	**1.11**	-0.31	-0.37	-0.10	-0.09	-0.43	-0.14	-0.27	-0.06
d	0.08	**1.00**	**0.98**	-0.01	0.13	0.02	0.15	0.15	0.21
	0.45	**1.01**	**0.98**	-0.04	-0.02	-0.04	-0.04	0.04	0.03
	-0.07	**1.01**	**0.92**	-0.15	0.06	0.10	0.21	0.16	0.21
	-0.31	**1.11**	**1.04**	-0.04	-0.08	0.22	0.46	0.52	**0.64**
s	0.05	**0.98**	**1.00**	-0.01	0.16	0.02	0.14	0.14	0.20
	0.41	**0.98**	**1.01**	-0.04	-0.02	-0.04	-0.04	0.05	0.04
	-0.06	**0.92**	**1.01**	-0.12	0.21	0.08	0.21	0.15	0.22
	-0.37	**1.04**	**1.11**	-0.08	-0.15	0.12	0.39	0.37	0.54
$\mu_S(p)$	-0.03	-0.01	-0.01	**1.00**	**0.61**	**0.93**	**0.63**	0.32	0.17
	-0.07	-0.04	-0.04	**1.01**	**0.75**	**0.96**	**0.72**	0.35	0.19
	0.07	-0.15	-0.12	**1.01**	0.55	0.51	0.27	0.33	0.16
	-0.10	-0.04	-0.08	**1.11**	**0.82**	0.12	0.55	-0.17	-0.06
$\sigma_S(p)$	0.01	0.13	0.16	**0.61**	**1.00**	0.52	**0.65**	0.23	0.35
	-0.09	-0.02	-0.02	**0.75**	**1.01**	**0.69**	**0.76**	0.23	0.38
	0.02	0.06	0.21	0.55	**1.01**	0.30	0.47	0.18	0.23
	-0.09	-0.08	-0.15	**0.82**	**1.11**	0.40	**0.72**	0.12	0.12
$\mu_S(kw)$	-0.02	0.02	0.02	**0.93**	0.52	**1.00**	**0.76**	0.52	0.36
	-0.04	-0.04	-0.04	**0.96**	**0.69**	**1.01**	**0.82**	0.51	0.36
	0.04	0.10	0.08	0.51	0.30	**1.01**	**0.64**	**0.89**	**0.61**
	-0.43	0.22	0.12	0.12	0.40	**1.11**	**0.84**	**1.00**	**0.73**
$\sigma_S(kw)$	0.03	0.15	0.14	**0.63**	**0.65**	**0.76**	**1.00**	0.53	**0.74**
	-0.02	-0.04	-0.04	**0.72**	**0.76**	**0.82**	**1.01**	0.48	**0.71**
	-0.01	0.21	0.21	0.27	0.47	**0.64**	**1.01**	0.59	**0.84**
	-0.14	0.46	0.39	0.55	**0.72**	**0.84**	**1.11**	**0.77**	**0.80**
$\mu_S(sw)$	0.10	0.15	0.14	0.32	0.23	0.52	0.53	**1.00**	**0.68**
	0.05	0.04	0.05	0.35	0.23	0.51	0.48	**1.01**	**0.64**
	0.06	0.16	0.15	0.33	0.18	**0.89**	0.59	**1.01**	**0.73**
	-0.27	0.52	0.37	-0.17	0.12	**1.00**	**0.77**	**1.11**	**0.92**
$\sigma_S(sw)$	0.12	0.21	0.20	0.17	0.35	0.36	**0.74**	**0.68**	**1.00**
	0.08	0.03	0.04	0.19	0.38	0.36	**0.71**	**0.64**	**1.01**
	0.05	0.21	0.22	0.16	0.23	**0.61**	**0.84**	**0.73**	**1.01**
	-0.06	**0.64**	0.54	-0.06	0.12	**0.73**	**0.80**	**0.92**	**1.11**

TABLE S416. Pierson correlation coefficient for the topological and textual measures. TAG: 10

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	0.16	0.05	0.16	0.34	0.21	0.24	0.09	0.18
(p.)	**1.02**	0.51	**0.60**	0.21	0.33	0.10	0.03	-0.04	0.02
(i.)	**1.05**	-0.29	-0.10	-0.12	0.03	0.20	0.06	0.01	-0.02
(h.)	**1.20**	**-1.05**	**-0.95**	**0.86**	**0.75**	0.38	-0.12	**-0.90**	**-0.95**
d	0.16	**1.01**	**0.95**	-0.04	0.18	0.17	0.28	0.20	0.25
	0.51	**1.02**	**0.86**	0.09	0.40	0.29	0.23	0.17	0.23
	-0.29	**1.05**	0.45	0.30	0.17	-0.00	-0.01	0.14	0.26
	-1.05	**1.20**	**1.15**	**-0.92**	**-0.87**	-0.27	-0.19	**0.81**	0.59
s	0.05	**0.95**	**1.01**	-0.10	0.04	0.12	0.20	0.17	0.19
	0.60	**0.86**	**1.02**	0.02	0.26	0.25	0.23	0.19	0.22
	-0.10	0.45	**1.05**	0.02	0.01	0.18	0.26	0.27	0.32
	-0.95	**1.15**	**1.20**	**-0.94**	**-0.88**	-0.26	-0.31	**0.78**	0.46
$\mu_S(p)$	0.16	-0.04	-0.10	**1.01**	0.58	0.42	0.15	-0.01	0.20
	0.21	0.09	0.02	**1.02**	0.58	0.49	0.17	0.02	0.24
	-0.12	0.30	0.02	**1.05**	**0.75**	-0.33	-0.22	-0.35	-0.03
	0.86	**-0.92**	**-0.94**	**1.20**	**1.16**	**0.93**	**0.73**	-0.32	-0.24
$\sigma_S(p)$	0.34	0.18	0.04	0.58	**1.01**	0.40	0.48	0.17	0.36
	0.33	0.40	0.26	0.58	**1.02**	0.44	0.49	0.21	0.43
	0.03	0.17	0.01	**0.75**	**1.05**	-0.09	-0.02	-0.28	-0.13
	0.75	**-0.87**	**-0.88**	**1.16**	**1.20**	**0.96**	**0.81**	-0.26	-0.14
$\mu_S(kw)$	0.21	0.17	0.12	0.42	0.40	**1.01**	**0.69**	**0.78**	**0.68**
	0.10	0.29	0.25	0.49	0.44	**1.02**	**0.67**	**0.77**	**0.69**
	0.20	-0.00	0.18	-0.33	-0.09	**1.05**	**0.68**	**0.92**	0.55
	0.38	-0.27	-0.26	**0.93**	**0.96**	**1.20**	**0.83**	0.26	0.08
$\sigma_S(kw)$	0.24	0.28	0.20	0.15	0.48	**0.69**	**1.01**	**0.67**	**0.86**
	0.03	0.23	0.23	0.17	0.49	**0.67**	**1.02**	**0.66**	**0.87**
	0.06	-0.01	0.26	-0.22	-0.02	**0.68**	**1.05**	**0.69**	**0.71**
	-0.12	-0.19	-0.31	**0.73**	**0.81**	**0.83**	**1.20**	0.60	**0.77**
$\mu_S(sw)$	0.09	0.20	0.17	-0.01	0.17	**0.78**	**0.67**	**1.01**	**0.74**
	-0.04	0.17	0.19	0.02	0.21	**0.77**	**0.66**	**1.02**	**0.72**
	0.01	0.14	0.27	-0.35	-0.28	**0.92**	**0.69**	**1.05**	**0.80**
	-0.90	**0.81**	**0.78**	-0.32	-0.26	0.26	0.60	**1.20**	**1.04**
$\sigma_S(sw)$	0.18	0.25	0.19	0.20	0.36	**0.68**	**0.86**	**0.74**	**1.01**
	0.02	0.23	0.22	0.24	0.43	**0.69**	**0.87**	**0.72**	**1.02**
	-0.02	0.26	0.32	-0.03	-0.13	0.55	**0.71**	**0.80**	**1.05**
	-0.95	0.59	0.46	-0.24	-0.14	0.08	**0.77**	**1.04**	**1.20**

TABLE S417. Pierson correlation coefficient for the topological and textual measures. TAG: 11

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.12	0.13	0.00	0.01	0.00	0.02	-0.03	0.06
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.01**	0.02	0.05	0.07	0.03	0.03	0.04	-0.07	0.08
(h.)	**1.14**	-0.27	-0.13	0.00	0.00	0.11	-0.04	0.04	-0.02
d	0.12	**1.00**	**0.97**	-0.04	-0.01	-0.04	0.00	-0.04	0.07
	0.00	1.01	1.01	-0.08	-0.09	-0.07	-0.08	-0.03	0.04
	0.02	**1.01**	**0.91**	0.02	-0.01	-0.00	-0.02	-0.08	0.02
	-0.27	**1.14**	**0.95**	0.39	0.51	0.45	0.47	0.39	0.16
s	0.13	**0.97**	**1.00**	-0.02	0.02	-0.02	0.03	-0.06	0.07
	0.00	1.01	1.01	-0.08	-0.09	-0.07	-0.08	-0.03	0.04
	0.05	**0.91**	**1.01**	0.15	0.11	0.08	0.10	-0.15	0.02
	-0.13	**0.95**	**1.14**	0.26	0.46	0.47	0.45	**0.62**	0.21
$\mu_S(p)$	0.00	-0.04	-0.02	**1.00**	**0.93**	**0.94**	**0.91**	0.39	**0.64**
	0.00	-0.08	-0.08	**1.01**	**0.95**	**0.95**	**0.95**	0.43	**0.68**
	0.07	0.02	0.15	**1.01**	**0.89**	**0.90**	**0.85**	0.24	0.51
	0.00	0.39	0.26	**1.14**	**1.08**	**0.88**	**1.08**	0.22	**0.99**
$\sigma_S(p)$	0.01	-0.01	0.02	**0.93**	**1.00**	**0.82**	**0.97**	0.26	**0.67**
	0.00	-0.09	-0.09	**0.95**	**1.01**	**0.85**	**0.98**	0.34	**0.68**
	0.03	-0.01	0.11	**0.89**	**1.01**	**0.70**	**0.98**	0.02	**0.62**
	0.00	0.51	0.46	**1.08**	**1.14**	**0.97**	**1.14**	0.50	**1.05**
$\mu_S(kw)$	0.00	-0.04	-0.02	**0.94**	**0.82**	**1.00**	**0.85**	**0.61**	**0.69**
	0.00	-0.07	-0.07	**0.95**	**0.85**	**1.01**	**0.90**	**0.63**	**0.72**
	0.03	-0.00	0.08	**0.90**	**0.70**	**1.01**	**0.72**	0.58	0.56
	0.11	0.45	0.47	**0.88**	**0.97**	**1.14**	**1.01**	**0.84**	**0.99**
$\sigma_S(kw)$	0.02	0.00	0.03	**0.91**	**0.97**	**0.85**	**1.00**	0.31	**0.76**
	0.00	-0.08	-0.08	**0.95**	**0.98**	**0.90**	**1.01**	0.41	**0.79**
	0.04	-0.02	0.10	**0.85**	**0.98**	**0.72**	**1.01**	0.05	**0.71**
	-0.04	0.47	0.45	**1.08**	**1.14**	**1.01**	**1.14**	0.54	**1.08**
$\mu_S(sw)$	-0.03	-0.04	-0.06	0.39	0.26	**0.61**	0.31	**1.00**	0.47
	0.00	-0.03	-0.03	0.43	0.34	**0.63**	0.41	**1.01**	0.52
	-0.07	-0.08	-0.15	0.24	0.02	0.58	0.05	**1.01**	0.31
	0.04	0.39	**0.62**	0.22	0.50	**0.84**	0.54	**1.14**	0.58
$\sigma_S(sw)$	0.06	0.07	0.07	**0.64**	**0.67**	**0.69**	**0.76**	0.47	**1.00**
	0.00	0.04	0.04	**0.68**	**0.68**	**0.72**	**0.79**	0.52	**1.01**
	0.08	0.02	0.02	0.51	**0.62**	0.56	**0.71**	0.31	**1.01**
	-0.02	0.16	0.21	**0.99**	**1.05**	**0.99**	**1.08**	0.58	**1.14**

TABLE S418. Pierson correlation coefficient for the topological and textual measures. TAG: 12

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.28	0.18	-0.02	0.02	-0.00	0.05	0.09	0.13
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.05**	**0.74**	0.20	0.09	-0.06	-0.04	-0.18	0.08	-0.34
(h.)	**1.10**	**-0.78**	**-0.74**	-0.06	-0.11	0.15	-0.04	0.50	0.39
d	0.28	**1.00**	**0.94**	-0.02	0.01	-0.00	0.04	0.06	0.11
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.74	**1.05**	0.57	-0.04	-0.11	-0.07	-0.11	0.05	-0.03
	-0.78	**1.10**	**1.01**	-0.30	-0.24	-0.36	-0.31	-0.20	-0.38
s	0.18	**0.94**	**1.00**	-0.02	0.01	-0.00	0.03	0.04	0.08
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.20	0.57	**1.05**	-0.17	-0.11	-0.09	-0.06	0.12	0.37
	-0.74	**1.01**	**1.10**	-0.31	-0.13	-0.44	-0.29	-0.25	-0.43
$\mu_S(p)$	-0.02	-0.02	-0.02	**1.00**	0.27	**0.87**	0.22	0.09	-0.04
	0.00	0.00	0.00	**1.00**	0.27	**0.87**	0.22	0.10	-0.03
	0.09	-0.04	-0.17	**1.05**	**0.91**	**0.82**	**0.82**	-0.18	0.06
	-0.06	-0.30	-0.31	**1.10**	**0.87**	**0.93**	**0.95**	-0.00	0.48
$\sigma_S(p)$	0.02	0.01	0.01	0.27	**1.00**	0.25	**0.90**	0.06	0.21
	0.00	0.00	0.00	0.27	**1.00**	0.25	**0.90**	0.06	0.20
	-0.06	-0.11	-0.11	**0.91**	**1.05**	**0.82**	**0.99**	-0.12	0.29
	-0.11	-0.24	-0.13	**0.87**	**1.10**	0.57	**1.00**	-0.06	0.33
$\mu_S(kw)$	-0.00	-0.00	-0.00	**0.87**	0.25	**1.00**	0.30	0.18	0.03
	0.00	0.00	0.00	**0.87**	0.25	**1.00**	0.30	0.18	0.02
	-0.04	-0.07	-0.09	**0.82**	**0.82**	**1.05**	**0.85**	0.31	0.40
	0.15	-0.36	-0.44	**0.93**	0.57	**1.10**	**0.81**	0.48	**0.82**
$\sigma_S(kw)$	0.05	0.04	0.03	0.22	**0.90**	0.30	**1.00**	0.15	0.35
	0.00	0.00	0.00	0.22	**0.90**	0.30	**1.00**	0.14	0.33
	-0.18	-0.11	-0.06	**0.82**	**0.99**	**0.85**	**1.05**	-0.02	0.48
	-0.04	-0.31	-0.29	**0.95**	**1.00**	**0.81**	**1.10**	0.15	0.60
$\mu_S(sw)$	0.09	0.06	0.04	0.09	0.06	0.18	0.15	**1.00**	0.51
	0.00	0.00	0.00	0.10	0.06	0.18	0.14	**1.00**	0.50
	0.08	0.05	0.12	-0.18	-0.12	0.31	-0.02	**1.05**	0.50
	0.50	-0.20	-0.25	-0.00	-0.06	0.48	0.15	**1.10**	**0.94**
$\sigma_S(sw)$	0.13	0.11	0.08	-0.04	0.21	0.03	0.35	0.51	**1.00**
	0.00	0.00	0.00	-0.03	0.20	0.02	0.33	0.50	**1.00**
	-0.34	-0.03	0.37	0.06	0.29	0.40	0.48	0.50	**1.05**
	0.39	-0.38	-0.43	0.48	0.33	**0.82**	0.60	**0.94**	**1.10**

TABLE S419. Pierson correlation coefficient for the topological and textual measures. TAG: 13

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.18	0.18	-0.03	-0.02	-0.02	0.01	0.02	0.09
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.01**	0.21	0.23	-0.04	-0.01	-0.02	0.02	-0.00	0.12
(h.)	**1.12**	-0.26	-0.22	-0.50	-0.39	-0.33	-0.37	-0.36	-0.43
d	0.18	**1.00**	**1.00**	-0.03	0.02	-0.01	0.09	0.16	0.27
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.21	**1.01**	**0.98**	0.08	0.23	0.07	0.19	0.10	0.30
	-0.26	**1.12**	**1.11**	0.32	0.13	-0.05	-0.02	-0.11	-0.02
s	0.18	**1.00**	**1.00**	-0.03	0.02	-0.01	0.09	0.15	0.26
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.23	**0.98**	**1.01**	0.08	0.23	0.07	0.20	0.09	0.30
	-0.22	**1.11**	**1.12**	0.29	0.08	-0.06	-0.04	-0.13	-0.04
$\mu_S(p)$	-0.03	-0.03	-0.03	**1.00**	0.44	**0.97**	0.41	0.33	0.02
	0.00	0.00	0.00	**1.01**	0.40	**0.99**	0.39	0.46	-0.02
	-0.04	0.08	0.08	**1.01**	**0.88**	**0.86**	**0.86**	0.23	0.25
	-0.50	0.32	0.29	**1.13**	**1.04**	**1.00**	**0.99**	**1.00**	**1.00**
$\sigma_S(p)$	-0.02	0.02	0.02	0.44	**1.00**	0.41	**0.91**	0.08	0.27
	0.00	0.00	0.00	0.40	**1.01**	0.36	**0.96**	0.03	0.23
	-0.01	0.23	0.23	**0.88**	**1.01**	**0.74**	**0.91**	0.17	0.46
	-0.39	0.13	0.08	**1.04**	**1.12**	**0.89**	**0.88**	**0.90**	**0.88**
$\mu_S(kw)$	-0.02	-0.01	-0.01	**0.97**	0.41	**1.00**	0.44	0.48	0.12
	0.00	0.00	0.00	**0.99**	0.36	**1.01**	0.37	0.55	0.03
	-0.02	0.07	0.07	**0.86**	**0.74**	**1.01**	**0.85**	0.59	0.39
	-0.33	-0.05	-0.06	**1.00**	**0.89**	**1.12**	**1.11**	**1.12**	**1.11**
$\sigma_S(kw)$	0.01	0.09	0.09	0.41	**0.91**	0.44	**1.00**	0.24	0.51
	0.00	0.00	0.00	0.39	**0.96**	0.37	**1.01**	0.13	0.41
	0.02	0.19	0.20	**0.86**	**0.91**	**0.85**	**1.01**	0.29	0.57
	-0.37	-0.02	-0.04	**0.99**	**0.88**	**1.11**	**1.12**	**1.10**	**1.12**
$\mu_S(sw)$	0.02	0.16	0.15	0.33	0.08	0.48	0.24	**1.00**	0.58
	0.00	0.00	0.00	0.46	0.03	0.55	0.13	**1.01**	0.58
	-0.00	0.10	0.09	0.23	0.17	0.59	0.29	**1.01**	0.48
	-0.36	-0.11	-0.13	**1.00**	**0.90**	**1.12**	**1.10**	**1.12**	**1.10**
$\sigma_S(sw)$	0.09	0.27	0.26	0.02	0.27	0.12	0.51	0.58	**1.00**
	0.00	0.00	0.00	-0.02	0.23	0.03	0.41	0.58	**1.01**
	0.12	0.30	0.30	0.25	0.46	0.39	0.57	0.48	**1.01**
	-0.43	-0.02	-0.04	**1.00**	**0.88**	**1.11**	**1.12**	**1.10**	**1.12**

TABLE S420. Pierson correlation coefficient for the topological and textual measures. TAG: 15

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.20	0.18	-0.08	-0.04	-0.08	-0.05	-0.01	0.04
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.01**	0.36	0.34	-0.02	0.00	-0.04	-0.02	-0.05	0.05
(h.)	**1.07**	-0.32	-0.07	-0.39	-0.40	0.17	-0.20	0.38	-0.03
d	0.20	**1.00**	**0.93**	-0.10	-0.05	-0.10	-0.05	0.01	0.06
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.36	**1.01**	**0.76**	-0.10	-0.07	-0.10	-0.09	0.07	0.09
	-0.32	**1.07**	**0.93**	0.06	0.54	0.44	0.45	0.37	0.18
s	0.18	**0.93**	**1.00**	-0.08	-0.03	-0.07	-0.04	0.02	0.06
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.34	**0.76**	**1.01**	-0.03	0.01	-0.03	-0.02	0.11	0.10
	-0.07	**0.93**	**1.07**	-0.09	0.40	0.43	0.32	0.53	0.26
$\mu_S(p)$	-0.08	-0.10	-0.08	**1.00**	0.43	**0.85**	0.38	0.32	-0.06
	0.00	0.00	0.00	**1.01**	0.36	**0.84**	0.30	0.36	-0.10
	-0.02	-0.10	-0.03	**1.01**	**0.99**	**1.00**	**0.97**	0.09	0.19
	-0.39	0.06	-0.09	**1.07**	**0.78**	0.34	0.55	-0.03	0.45
$\sigma_S(p)$	-0.04	-0.05	-0.03	0.43	**1.00**	0.54	**0.98**	-0.04	0.16
	0.00	0.00	0.00	0.36	**1.01**	0.47	**0.99**	-0.07	0.15
	0.00	-0.07	0.01	**0.99**	**1.01**	**0.97**	**0.99**	0.08	0.22
	-0.40	0.54	0.40	**0.78**	**1.07**	**0.61**	**0.91**	0.29	**0.68**
$\mu_S(kw)$	-0.08	-0.10	-0.07	**0.85**	0.54	**1.00**	0.51	0.43	0.04
	0.00	0.00	0.00	**0.84**	0.47	**1.01**	0.45	0.47	0.00
	-0.04	-0.10	-0.03	**1.00**	**0.97**	**1.01**	**0.98**	0.20	0.27
	0.17	0.44	0.43	0.34	**0.61**	**1.07**	**0.77**	**0.92**	**0.65**
$\sigma_S(kw)$	-0.05	-0.05	-0.04	0.38	**0.98**	0.51	**1.00**	-0.03	0.22
	0.00	0.00	0.00	0.30	**0.99**	0.45	**1.01**	-0.05	0.20
	-0.02	-0.09	-0.02	**0.97**	**0.99**	**0.98**	**1.01**	0.11	0.35
	-0.20	0.45	0.32	0.55	**0.91**	**0.77**	**1.07**	0.48	**0.77**
$\mu_S(sw)$	-0.01	0.01	0.02	0.32	-0.04	0.43	-0.03	**1.00**	0.38
	0.00	0.00	0.00	0.36	-0.07	0.47	-0.05	**1.01**	0.37
	-0.05	0.07	0.11	0.09	0.08	0.20	0.11	**1.01**	0.45
	0.38	0.37	0.53	-0.03	0.29	**0.92**	0.48	**1.07**	**0.67**
$\sigma_S(sw)$	0.04	0.06	0.06	-0.06	0.16	0.04	0.22	0.38	**1.00**
	0.00	0.00	0.00	-0.10	0.15	0.00	0.20	0.37	**1.01**
	0.05	0.09	0.10	0.19	0.22	0.27	0.35	0.45	**1.01**
	-0.03	0.18	0.26	0.45	**0.68**	**0.65**	**0.77**	**0.67**	**1.07**

TABLE S421. Pierson correlation coefficient for the topological and textual measures. TAG: 16

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	-0.05	-0.07	-0.11	-0.06	-0.07	-0.08	-0.02	-0.08
(p.)	**1.02**	0.42	0.18	-0.16	-0.17	-0.11	-0.15	-0.06	-0.08
(i.)	**1.02**	-0.44	-0.35	-0.16	-0.12	-0.15	-0.19	-0.06	-0.43
(h.)	**1.06**	-0.59	-0.48	0.14	0.17	-0.24	0.08	-0.37	-0.23
d	-0.05	**1.01**	**0.95**	0.09	0.20	0.18	0.24	0.25	0.39
	0.42	**1.02**	**0.81**	-0.07	0.03	-0.04	0.03	0.03	0.10
	-0.44	**1.02**	**0.86**	0.18	0.18	0.11	0.16	-0.06	0.34
	-0.59	**1.06**	**0.94**	-0.05	-0.03	0.09	0.02	0.13	0.13
s	-0.07	**0.95**	**1.01**	0.08	0.19	0.15	0.23	0.21	0.33
	0.18	**0.81**	**1.02**	-0.03	0.06	-0.00	0.08	0.06	0.15
	-0.35	**0.86**	**1.02**	0.21	0.22	0.24	0.24	0.09	0.44
	-0.48	**0.94**	**1.06**	-0.04	-0.01	-0.02	0.02	-0.03	-0.03
$\mu_S(p)$	-0.11	0.09	0.08	**1.01**	**0.88**	**0.83**	**0.89**	0.15	0.34
	-0.16	-0.07	-0.03	**1.02**	**0.95**	**0.89**	**0.92**	0.24	0.42
	-0.16	0.18	0.21	**1.02**	**0.99**	**0.85**	**0.94**	0.00	0.27
	0.14	-0.05	-0.04	**1.06**	**0.98**	**0.62**	**1.01**	-0.05	0.24
$\sigma_S(p)$	-0.06	0.20	0.19	**0.88**	**1.01**	**0.63**	**0.93**	0.05	0.30
	-0.17	0.03	0.06	**0.95**	**1.02**	**0.77**	**0.96**	0.15	0.46
	-0.12	0.18	0.22	**0.99**	**1.02**	**0.78**	**0.92**	-0.06	0.20
	0.17	-0.03	-0.01	**0.98**	**1.06**	0.35	**1.03**	-0.28	0.00
$\mu_S(kw)$	-0.07	0.18	0.15	**0.83**	**0.63**	**1.01**	**0.77**	**0.60**	0.56
	-0.11	-0.04	-0.00	**0.89**	**0.77**	**1.02**	**0.81**	0.58	0.46
	-0.15	0.11	0.24	**0.85**	**0.78**	**1.02**	**0.89**	0.51	0.58
	-0.24	0.09	-0.02	**0.62**	0.35	**1.06**	0.51	**0.78**	**0.84**
$\sigma_S(kw)$	-0.08	0.24	0.23	**0.89**	**0.93**	**0.77**	**1.01**	0.20	0.52
	-0.15	0.03	0.08	**0.92**	**0.96**	**0.81**	**1.02**	0.20	**0.60**
	-0.19	0.16	0.24	**0.94**	**0.92**	**0.89**	**1.02**	0.11	0.46
	0.08	0.02	0.02	**1.01**	**1.03**	0.51	**1.06**	-0.14	0.15
$\mu_S(sw)$	-0.02	0.25	0.21	0.15	0.05	**0.60**	0.20	**1.01**	**0.63**
	-0.06	0.03	0.06	0.24	0.15	0.58	0.20	**1.02**	0.43
	-0.06	-0.06	0.09	0.00	-0.06	0.51	0.11	**1.02**	**0.63**
	-0.37	0.13	-0.03	-0.05	-0.28	**0.78**	-0.14	**1.06**	**0.91**
$\sigma_S(sw)$	-0.08	0.39	0.33	0.34	0.30	0.56	0.52	**0.63**	**1.01**
	-0.08	0.10	0.15	0.42	0.46	0.46	**0.60**	0.43	**1.02**
	-0.43	0.34	0.44	0.27	0.20	0.58	0.46	**0.63**	**1.02**
	-0.23	0.13	-0.03	0.24	0.00	**0.84**	0.15	**0.91**	**1.06**

TABLE S422. Pierson correlation coefficient for the topological and textual measures. TAG: 17

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	0.15	0.05	-0.24	-0.04	-0.19	-0.03	0.18	0.26
(p.)	**1.01**	0.47	0.35	-0.15	-0.07	-0.08	-0.02	0.36	0.19
(i.)	**1.04**	-0.24	-0.19	0.05	0.06	-0.01	-0.01	-0.13	-0.15
(h.)	**1.17**	**-0.85**	**-0.67**	**-0.78**	**-0.73**	**-0.85**	**-0.87**	**-0.84**	**-0.92**
d	0.15	**1.01**	**0.96**	-0.18	-0.01	-0.16	-0.01	-0.01	0.21
	0.47	**1.01**	**0.93**	-0.45	-0.19	-0.38	-0.12	0.07	0.28
	-0.24	**1.04**	**0.90**	0.15	0.19	0.07	0.20	-0.03	0.09
	-0.85	**1.17**	**1.11**	0.45	0.57	0.27	0.47	0.28	0.47
s	0.05	**0.96**	**1.01**	-0.12	-0.01	-0.11	-0.01	-0.02	0.14
	0.35	**0.93**	**1.01**	-0.40	-0.16	-0.34	-0.11	0.05	0.24
	-0.19	**0.90**	**1.04**	-0.01	0.05	-0.08	0.10	-0.16	0.01
	-0.67	**1.11**	**1.17**	0.18	0.30	0.04	0.19	0.09	0.22
$\mu_S(p)$	-0.24	-0.18	-0.12	**1.01**	0.50	**0.99**	0.47	0.50	-0.14
	-0.15	-0.45	-0.40	**1.01**	0.52	**0.99**	0.49	0.53	-0.08
	0.05	0.15	-0.01	**1.04**	**1.02**	**0.72**	**0.69**	-0.04	-0.08
	-0.78	0.45	0.18	**1.17**	**1.12**	**0.97**	**1.14**	**0.89**	**1.13**
$\sigma_S(p)$	-0.04	-0.01	-0.01	0.50	**1.01**	0.45	**0.98**	0.16	0.26
	-0.07	-0.19	-0.16	0.52	**1.01**	0.47	**1.00**	0.18	0.32
	0.06	0.19	0.05	**1.02**	**1.04**	**0.71**	**0.78**	-0.11	-0.07
	-0.73	0.57	0.30	**1.12**	**1.17**	**0.81**	**1.06**	**0.72**	**1.02**
$\mu_S(kw)$	-0.19	-0.16	-0.11	**0.99**	0.45	**1.01**	0.44	**0.62**	-0.08
	-0.08	-0.38	-0.34	**0.99**	0.47	**1.01**	0.45	**0.65**	-0.02
	-0.01	0.07	-0.08	**0.72**	**0.71**	**1.04**	**0.76**	0.58	0.28
	-0.85	0.27	0.04	**0.97**	**0.81**	**1.17**	**1.06**	**1.15**	**1.08**
$\sigma_S(kw)$	-0.03	-0.01	-0.01	0.47	**0.98**	0.44	**1.01**	0.22	0.40
	-0.02	-0.12	-0.11	0.49	**1.00**	0.45	**1.01**	0.22	0.44
	-0.01	0.20	0.10	**0.69**	**0.78**	**0.76**	**1.04**	0.16	0.45
	-0.87	0.47	0.19	**1.14**	**1.06**	**1.06**	**1.17**	**1.00**	**1.15**
$\mu_S(sw)$	0.18	-0.01	-0.02	0.50	0.16	**0.62**	0.22	**1.01**	0.34
	0.36	0.07	0.05	0.53	0.18	**0.65**	0.22	**1.01**	0.35
	-0.13	-0.03	-0.16	-0.04	-0.11	0.58	0.16	**1.04**	0.53
	-0.84	0.28	0.09	**0.89**	**0.72**	**1.15**	**1.00**	**1.17**	**1.03**
$\sigma_S(sw)$	0.26	0.21	0.14	-0.14	0.26	-0.08	0.40	0.34	**1.01**
	0.19	0.28	0.24	-0.08	0.32	-0.02	0.44	0.35	**1.01**
	-0.15	0.09	0.01	-0.08	-0.07	0.28	0.45	0.53	**1.04**
	-0.92	0.47	0.22	**1.13**	**1.02**	**1.08**	**1.15**	**1.03**	**1.17**

TABLE S423. Pierson correlation coefficient for the topological and textual measures. TAG: 18

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	0.13	0.08	-0.17	-0.13	-0.11	-0.08	0.15	0.08
(p.)	**1.02**	0.30	0.21	-0.08	-0.07	-0.06	-0.06	0.04	0.01
(i.)	**1.02**	-0.31	-0.17	-0.30	-0.29	-0.32	-0.32	0.06	-0.08
(h.)	**1.08**	-0.35	-0.25	-0.38	-0.41	-0.42	-0.37	-0.45	-0.43
d	0.13	**1.01**	**0.97**	-0.15	-0.10	-0.10	0.00	0.12	0.20
	0.30	**1.02**	**0.90**	-0.32	-0.30	-0.25	-0.30	0.10	-0.18
	-0.31	**1.02**	**0.95**	0.01	0.13	-0.07	0.22	-0.08	0.03
	-0.35	**1.08**	**0.78**	-0.42	-0.38	-0.40	-0.45	-0.29	-0.42
s	0.08	**0.97**	**1.01**	-0.12	-0.08	-0.08	-0.00	0.10	0.18
	0.21	**0.90**	**1.02**	-0.24	-0.27	-0.20	-0.27	0.05	-0.15
	-0.17	**0.95**	**1.02**	0.01	0.21	-0.10	0.23	-0.09	0.07
	-0.25	**0.78**	**1.08**	-0.52	-0.44	-0.28	-0.48	-0.14	-0.38
$\mu_S(p)$	-0.17	-0.15	-0.12	**1.01**	**0.93**	**0.77**	**0.80**	0.24	0.42
	-0.08	-0.32	-0.24	**1.02**	**0.95**	**0.79**	**0.85**	0.39	**0.70**
	-0.30	0.01	0.01	**1.02**	**0.82**	**0.62**	0.52	-0.13	-0.07
	-0.38	-0.42	-0.52	**1.08**	**1.04**	**0.98**	**1.03**	**0.91**	**0.99**
$\sigma_S(p)$	-0.13	-0.10	-0.08	**0.93**	**1.01**	0.58	**0.74**	0.29	0.54
	-0.07	-0.30	-0.27	**0.95**	**1.02**	0.59	**0.77**	0.42	**0.82**
	-0.29	0.13	0.21	**0.82**	**1.02**	0.49	**0.73**	-0.16	0.08
	-0.41	-0.38	-0.44	**1.04**	**1.08**	**0.92**	**0.98**	**0.83**	**0.90**
$\mu_S(kw)$	-0.11	-0.10	-0.08	**0.77**	0.58	**1.01**	**0.88**	0.42	0.37
	-0.06	-0.25	-0.20	**0.79**	0.59	**1.02**	**0.90**	0.46	0.43
	-0.32	-0.07	-0.10	**0.62**	0.49	**1.02**	**0.70**	0.53	0.44
	-0.42	-0.40	-0.28	**0.98**	**0.92**	**1.08**	**1.02**	**1.06**	**1.06**
$\sigma_S(kw)$	-0.08	0.00	-0.00	**0.80**	**0.74**	**0.88**	**1.01**	0.37	**0.61**
	-0.06	-0.30	-0.27	**0.85**	**0.77**	**0.90**	**1.02**	0.40	**0.69**
	-0.32	0.22	0.23	0.52	**0.73**	**0.70**	**1.02**	0.27	0.59
	-0.37	-0.45	-0.48	**1.03**	**0.98**	**1.02**	**1.08**	**0.97**	**1.04**
$\mu_S(sw)$	0.15	0.12	0.10	0.24	0.29	0.42	0.37	**1.01**	**0.67**
	0.04	0.10	0.05	0.39	0.42	0.46	0.40	**1.02**	0.57
	0.06	-0.08	-0.09	-0.13	-0.16	0.53	0.27	**1.02**	**0.67**
	-0.45	-0.29	-0.14	**0.91**	**0.83**	**1.06**	**0.97**	**1.08**	**1.03**
$\sigma_S(sw)$	0.08	0.20	0.18	0.42	0.54	0.37	**0.61**	**0.67**	**1.01**
	0.01	-0.18	-0.15	**0.70**	**0.82**	0.43	**0.69**	0.57	**1.02**
	-0.08	0.03	0.07	-0.07	0.08	0.44	0.59	**0.67**	**1.02**
	-0.43	-0.42	-0.38	**0.99**	**0.90**	**1.06**	**1.04**	**1.03**	**1.08**

TABLE S424. Pierson correlation coefficient for the topological and textual measures. TAG: 19

2. Snapshots of 2000 messages

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	0.05	0.01	-0.03	-0.04	-0.04	-0.01	-0.03	0.00
(p.)	**1.01**	0.51	0.53	0.02	-0.04	-0.07	0.00	-0.11	-0.05
(i.)	**1.02**	-0.28	-0.20	-0.22	-0.22	-0.23	-0.22	-0.16	-0.21
(h.)	**1.11**	-0.50	-0.06	0.35	0.48	-0.31	0.12	-0.40	-0.28
d	0.05	**1.01**	**0.93**	-0.02	-0.01	0.09	0.04	0.18	0.12
	0.51	**1.01**	**0.85**	0.06	0.00	0.03	0.12	0.07	0.07
	-0.28	**1.02**	**0.93**	-0.16	-0.16	-0.02	-0.11	0.11	-0.08
	-0.50	**1.11**	**0.96**	0.07	-0.15	0.43	0.17	0.37	0.29
s	0.01	**0.93**	**1.01**	-0.01	-0.02	0.09	0.03	0.15	0.10
	0.53	**0.85**	**1.01**	0.02	0.02	-0.01	0.11	0.01	0.05
	-0.20	**0.93**	**1.02**	-0.17	-0.17	-0.04	-0.13	0.04	-0.10
	-0.06	**0.96**	**1.11**	0.45	0.16	**0.62**	0.43	0.50	0.50
$\mu_S(p)$	-0.03	-0.02	-0.01	**1.01**	**0.91**	**0.68**	**0.80**	0.34	**0.68**
	0.02	0.06	0.02	**1.01**	**0.66**	0.50	0.24	0.30	0.16
	-0.22	-0.16	-0.17	**1.02**	**0.97**	**0.84**	**0.89**	0.43	**0.81**
	0.35	0.07	0.45	**1.11**	**0.83**	0.60	**0.65**	0.46	**0.65**
$\sigma_S(p)$	-0.04	-0.01	-0.02	**0.91**	**1.01**	0.60	**0.95**	0.26	**0.80**
	-0.04	0.00	0.02	**0.66**	**1.01**	0.19	0.47	0.06	0.23
	-0.22	-0.16	-0.17	**0.97**	**1.02**	**0.83**	**0.98**	0.41	**0.90**
	0.48	-0.15	0.16	**0.83**	**1.11**	0.14	**0.85**	-0.10	0.20
$\mu_S(kw)$	-0.04	0.09	0.09	**0.68**	0.60	**1.01**	**0.67**	**0.85**	**0.73**
	-0.07	0.03	-0.01	0.50	0.19	**1.01**	0.43	**0.88**	0.42
	-0.23	-0.02	-0.04	**0.84**	**0.83**	**1.02**	**0.88**	**0.84**	**0.94**
	-0.31	0.43	**0.62**	0.60	0.14	**1.11**	**0.61**	**1.07**	**1.09**
$\sigma_S(kw)$	-0.01	0.04	0.03	**0.80**	**0.95**	**0.67**	**1.01**	0.39	**0.93**
	0.00	0.12	0.11	0.24	0.47	0.43	**1.01**	0.45	**0.85**
	-0.22	-0.11	-0.13	**0.89**	**0.98**	**0.88**	**1.02**	0.52	**0.98**
	0.12	0.17	0.43	**0.65**	**0.85**	**0.61**	**1.11**	0.36	**0.62**
$\mu_S(sw)$	-0.03	0.18	0.15	0.34	0.26	**0.85**	0.39	**1.01**	**0.61**
	-0.11	0.07	0.01	0.30	0.06	**0.88**	0.45	**1.01**	**0.63**
	-0.16	0.11	0.04	0.43	0.41	**0.84**	0.52	**1.02**	**0.69**
	-0.40	0.37	0.50	0.46	-0.10	**1.07**	0.36	**1.11**	**1.06**
$\sigma_S(sw)$	0.00	0.12	0.10	**0.68**	**0.80**	**0.73**	**0.93**	**0.61**	**1.01**
	-0.05	0.07	0.05	0.16	0.23	0.42	**0.85**	**0.63**	**1.01**
	-0.21	-0.08	-0.10	**0.81**	**0.90**	**0.94**	**0.98**	**0.69**	**1.02**
	-0.28	0.29	0.50	**0.65**	0.20	**1.09**	**0.62**	**1.06**	**1.11**

TABLE S425. Pierson correlation coefficient for the topological and textual measures. TAG: 0

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.13	0.11	-0.05	0.01	-0.05	-0.01	-0.05	-0.05
(p.)	**1.01**	0.31	0.30	-0.13	-0.12	-0.15	-0.13	-0.15	-0.12
(i.)	**1.01**	-0.09	-0.04	-0.05	-0.04	-0.06	-0.07	-0.10	-0.09
(h.)	**1.05**	-0.50	-0.37	0.48	**0.63**	0.24	0.53	-0.19	-0.24
d	0.13	**1.00**	**0.98**	0.05	0.18	0.02	0.13	0.08	0.11
	0.31	**1.01**	**0.97**	-0.01	0.03	-0.02	0.08	-0.04	-0.02
	-0.09	**1.01**	**0.96**	-0.03	0.10	-0.07	0.05	-0.06	0.04
	-0.50	**1.05**	**1.00**	-0.25	-0.23	-0.43	-0.39	-0.21	0.08
s	0.11	**0.98**	**1.00**	0.04	0.17	-0.00	0.11	0.06	0.09
	0.30	**0.97**	**1.01**	-0.02	0.02	-0.01	0.07	-0.04	-0.02
	-0.04	**0.96**	**1.01**	-0.04	0.12	-0.09	0.03	-0.08	0.01
	-0.37	**1.00**	**1.05**	-0.24	-0.19	-0.44	-0.31	-0.24	0.10
$\mu_S(p)$	-0.05	0.05	0.04	**1.00**	**0.72**	**0.78**	**0.69**	**0.64**	0.50
	-0.13	-0.01	-0.02	**1.01**	**0.66**	0.50	0.37	0.28	0.19
	-0.05	-0.03	-0.04	**1.01**	**0.84**	**0.95**	**0.88**	**0.89**	**0.80**
	0.48	-0.25	-0.24	**1.05**	**0.70**	**0.70**	**0.73**	0.19	0.15
$\sigma_S(p)$	0.01	0.18	0.17	**0.72**	**1.00**	0.56	**0.74**	0.49	0.48
	-0.12	0.03	0.02	**0.66**	**1.01**	0.38	**0.64**	0.39	0.43
	-0.04	0.10	0.12	**0.84**	**1.01**	**0.72**	**0.80**	**0.64**	**0.65**
	0.63	-0.23	-0.19	**0.70**	**1.05**	0.34	**0.85**	-0.20	-0.16
$\mu_S(kw)$	-0.05	0.02	-0.00	**0.78**	0.56	**1.00**	**0.82**	**0.80**	0.58
	-0.15	-0.02	-0.01	0.50	0.38	**1.01**	**0.62**	0.56	0.27
	-0.06	-0.07	-0.09	**0.95**	**0.72**	**1.01**	**0.93**	**0.93**	**0.83**
	0.24	-0.43	-0.44	**0.70**	0.34	**1.05**	**0.68**	**0.61**	0.37
$\sigma_S(kw)$	-0.01	0.13	0.11	**0.69**	**0.74**	**0.82**	**1.00**	**0.73**	**0.71**
	-0.13	0.08	0.07	0.37	**0.64**	**0.62**	**1.01**	0.57	**0.62**
	-0.07	0.05	0.03	**0.88**	**0.80**	**0.93**	**1.01**	**0.82**	**0.83**
	0.53	-0.39	-0.31	**0.73**	**0.85**	**0.68**	**1.05**	0.07	0.09
$\mu_S(sw)$	-0.05	0.08	0.06	**0.64**	0.49	**0.80**	**0.73**	**1.00**	**0.85**
	-0.15	-0.04	-0.04	0.28	0.39	0.56	0.57	**1.01**	**0.82**
	-0.10	-0.06	-0.08	**0.89**	**0.64**	**0.93**	**0.82**	**1.01**	**0.91**
	-0.19	-0.21	-0.24	0.19	-0.20	**0.61**	0.07	**1.05**	**0.89**
$\sigma_S(sw)$	-0.05	0.11	0.09	0.50	0.48	0.58	**0.71**	**0.85**	**1.00**
	-0.12	-0.02	-0.02	0.19	0.43	0.27	**0.62**	**0.82**	**1.01**
	-0.09	0.04	0.01	**0.80**	**0.65**	**0.83**	**0.83**	**0.91**	**1.01**
	-0.24	0.08	0.10	0.15	-0.16	0.37	0.09	**0.89**	**1.05**

TABLE S426. Pierson correlation coefficient for the topological and textual measures. TAG: 2

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	-0.04	-0.06	-0.09	-0.04	-0.06	0.03	-0.01	0.14
(p.)	**1.01**	**0.76**	0.50	-0.11	0.01	-0.08	0.07	-0.03	0.15
(i.)	**1.02**	**-0.60**	-0.39	-0.12	-0.36	-0.01	-0.20	-0.02	0.01
(h.)	**1.20**	**-1.09**	**-1.10**	0.36	0.41	0.48	0.07	0.36	-0.32
d	-0.04	**1.01**	**1.00**	-0.01	0.08	-0.01	0.10	-0.01	0.09
	0.76	**1.01**	**0.65**	-0.16	0.05	-0.12	0.13	-0.01	0.25
	-0.60	**1.02**	**0.70**	0.14	0.46	0.02	0.27	-0.00	-0.06
	-1.09	**1.20**	**1.20**	-0.44	-0.49	-0.26	-0.24	-0.02	0.20
s	-0.06	**1.00**	**1.01**	-0.01	0.06	-0.01	0.08	-0.01	0.08
	0.50	**0.65**	**1.01**	-0.10	0.07	-0.08	0.12	-0.01	0.23
	-0.39	**0.70**	**1.02**	0.18	0.46	0.07	0.26	0.02	0.01
	-1.10	**1.20**	**1.20**	-0.45	-0.50	-0.28	-0.25	-0.03	0.20
$\mu_S(p)$	-0.09	-0.01	-0.01	**1.01**	**0.65**	**0.80**	**0.67**	0.42	0.46
	-0.11	-0.16	-0.10	**1.01**	**0.63**	**0.74**	0.54	0.26	0.25
	-0.12	0.14	0.18	**1.02**	**0.78**	**0.95**	**0.95**	**0.84**	**0.84**
	0.36	-0.44	-0.45	**1.20**	**1.12**	**0.80**	**0.96**	-0.34	0.51
$\sigma_S(p)$	-0.04	0.08	0.06	**0.65**	**1.01**	0.36	**0.89**	0.19	0.42
	0.01	0.05	0.07	**0.63**	**1.01**	0.28	**0.86**	0.08	0.37
	-0.36	0.46	0.46	**0.78**	**1.02**	0.56	**0.89**	0.42	0.42
	0.41	-0.49	-0.50	**1.12**	**1.20**	**0.76**	**1.11**	-0.35	**0.71**
$\mu_S(kw)$	-0.06	-0.01	-0.01	**0.80**	0.36	**1.01**	0.51	**0.81**	0.53
	-0.08	-0.12	-0.08	**0.74**	0.28	**1.01**	0.36	**0.76**	0.30
	-0.01	0.02	0.07	**0.95**	0.56	**1.02**	**0.84**	**0.97**	**0.95**
	0.48	-0.26	-0.28	**0.80**	**0.76**	**1.20**	0.58	**0.61**	0.56
$\sigma_S(kw)$	0.03	0.10	0.08	**0.67**	**0.89**	0.51	**1.01**	0.39	**0.72**
	0.07	0.13	0.12	0.54	**0.86**	0.36	**1.01**	0.28	**0.71**
	-0.20	0.27	0.26	**0.95**	**0.89**	**0.84**	**1.02**	**0.72**	**0.75**
	0.07	-0.24	-0.25	**0.96**	**1.11**	0.58	**1.20**	-0.45	**0.97**
$\mu_S(sw)$	-0.01	-0.01	-0.01	0.42	0.19	**0.81**	0.39	**1.01**	**0.61**
	-0.03	-0.01	-0.01	0.26	0.08	**0.76**	0.28	**1.01**	0.46
	-0.02	-0.00	0.02	**0.84**	0.42	**0.97**	**0.72**	**1.02**	**0.97**
	0.36	-0.02	-0.03	-0.34	-0.35	**0.61**	-0.45	**1.20**	-0.04
$\sigma_S(sw)$	0.14	0.09	0.08	0.46	0.42	0.53	**0.72**	**0.61**	**1.01**
	0.15	0.25	0.23	0.25	0.37	0.30	**0.71**	0.46	**1.01**
	0.01	-0.06	0.01	**0.84**	0.42	**0.95**	**0.75**	**0.97**	**1.02**
	-0.32	0.20	0.20	0.51	**0.71**	0.56	**0.97**	-0.04	**1.20**

TABLE S427. Pierson correlation coefficient for the topological and textual measures. TAG: 3

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	0.06	0.03	-0.01	0.08	-0.10	0.07	-0.14	-0.09
(p.)	**1.01**	0.39	0.26	-0.01	0.05	-0.12	-0.00	-0.15	-0.14
(i.)	**1.01**	-0.03	-0.06	-0.10	0.05	-0.12	0.08	-0.16	-0.10
(h.)	**1.06**	-0.38	-0.21	0.03	-0.25	-0.19	-0.21	-0.06	-0.09
d	0.06	**1.00**	**0.97**	0.08	0.31	0.07	0.23	0.04	0.18
	0.39	**1.01**	**0.83**	0.11	0.19	-0.12	0.11	-0.28	-0.16
	-0.03	**1.01**	**0.91**	-0.09	0.19	-0.02	0.04	0.14	0.18
	-0.38	**1.06**	**0.98**	-0.22	0.06	-0.15	0.06	0.30	0.18
s	0.03	**0.97**	**1.00**	0.06	0.29	0.06	0.21	0.07	0.20
	0.26	**0.83**	**1.01**	0.11	0.19	-0.08	0.14	-0.17	-0.03
	-0.06	**0.91**	**1.01**	-0.07	0.18	0.01	0.06	0.24	0.31
	-0.21	**0.98**	**1.06**	-0.18	0.16	-0.18	0.10	0.39	0.28
$\mu_S(p)$	-0.01	0.08	0.06	**1.01**	0.55	**0.74**	0.40	0.18	0.04
	-0.01	0.11	0.11	**1.01**	0.53	0.58	0.26	0.08	-0.03
	-0.10	-0.09	-0.07	**1.01**	0.55	**0.87**	0.44	0.41	0.03
	0.03	-0.22	-0.18	**1.06**	**0.69**	0.40	0.22	-0.07	-0.08
$\sigma_S(p)$	0.08	0.31	0.29	0.55	**1.00**	0.38	**0.72**	0.09	0.26
	0.05	0.19	0.19	0.53	**1.01**	0.19	**0.68**	0.00	0.23
	0.05	0.19	0.18	0.55	**1.01**	0.53	**0.74**	0.28	0.24
	-0.25	0.06	0.16	**0.69**	**1.06**	0.01	0.41	-0.20	-0.20
$\mu_S(kw)$	-0.10	0.07	0.06	**0.74**	0.38	**1.01**	0.59	**0.64**	0.39
	-0.12	-0.12	-0.08	0.58	0.19	**1.01**	0.48	**0.74**	0.46
	-0.12	-0.02	0.01	**0.87**	0.53	**1.01**	**0.68**	**0.63**	0.29
	-0.19	-0.15	-0.18	0.40	0.01	**1.06**	**0.66**	0.59	**0.67**
$\sigma_S(kw)$	0.07	0.23	0.21	0.40	**0.72**	0.59	**1.01**	0.35	0.51
	-0.00	0.11	0.14	0.26	**0.68**	0.48	**1.01**	0.39	0.60
	0.08	0.04	0.06	0.44	**0.74**	**0.68**	**1.01**	0.48	0.45
	-0.21	0.06	0.10	0.22	0.41	**0.66**	**1.06**	0.30	0.36
$\mu_S(sw)$	-0.14	0.04	0.07	0.18	0.09	**0.64**	0.35	**1.00**	**0.81**
	-0.15	-0.28	-0.17	0.08	0.00	**0.74**	0.39	**1.01**	**0.84**
	-0.16	0.14	0.24	0.41	0.28	**0.63**	0.48	**1.01**	**0.82**
	-0.06	0.30	0.39	-0.07	-0.20	0.59	0.30	**1.06**	**0.93**
$\sigma_S(sw)$	-0.09	0.18	0.20	0.04	0.26	0.39	0.51	**0.81**	**1.00**
	-0.14	-0.16	-0.03	-0.03	0.23	0.46	0.60	**0.84**	**1.01**
	-0.10	0.18	0.31	0.03	0.24	0.29	0.45	**0.82**	**1.01**
	-0.09	0.18	0.28	-0.08	-0.20	**0.67**	0.36	**0.93**	**1.06**

TABLE S428. Pierson correlation coefficient for the topological and textual measures. TAG: 7

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	0.28	0.24	-0.05	0.13	0.04	0.24	0.09	0.26
(p.)	**1.01**	0.18	0.11	-0.05	0.01	-0.05	-0.00	-0.05	-0.01
(i.)	**1.03**	0.07	0.05	0.16	0.10	0.35	0.31	0.46	0.39
(h.)	**1.05**	-0.50	-0.43	-0.21	-0.14	-0.09	-0.05	0.00	-0.02
d	0.28	**1.01**	**0.98**	-0.01	0.19	0.03	0.29	0.05	0.28
	0.18	**1.01**	**0.90**	-0.19	-0.01	-0.12	0.02	-0.14	0.02
	0.07	**1.03**	**0.90**	0.21	0.21	0.20	0.31	0.16	0.25
	-0.50	**1.05**	**1.01**	0.18	0.03	-0.09	-0.02	-0.17	-0.05
s	0.24	**0.98**	**1.01**	-0.00	0.18	0.03	0.27	0.04	0.25
	0.11	**0.90**	**1.01**	-0.11	0.05	-0.09	0.07	-0.11	0.07
	0.05	**0.90**	**1.03**	0.21	0.21	0.21	0.35	0.18	0.29
	-0.43	**1.01**	**1.05**	0.13	0.04	-0.13	-0.00	-0.19	-0.07
$\mu_S(p)$	-0.05	-0.01	-0.00	**1.01**	0.39	**0.70**	0.19	0.55	0.02
	-0.05	-0.19	-0.11	**1.01**	0.36	**0.72**	0.16	0.60	0.01
	0.16	0.21	0.21	**1.03**	**0.84**	0.54	**0.68**	0.23	0.24
	-0.21	0.18	0.13	**1.05**	**0.77**	**0.65**	**0.65**	0.25	0.40
$\sigma_S(p)$	0.13	0.19	0.18	0.39	**1.01**	0.08	**0.80**	0.01	0.53
	0.01	-0.01	0.05	0.36	**1.01**	0.04	**0.83**	-0.02	**0.62**
	0.10	0.21	0.21	**0.84**	**1.03**	0.24	**0.69**	0.05	0.21
	-0.14	0.03	0.04	**0.77**	**1.05**	0.37	**0.86**	0.05	0.20
$\mu_S(kw)$	0.04	0.03	0.03	**0.70**	0.08	**1.01**	0.15	**0.95**	0.11
	-0.05	-0.12	-0.09	**0.72**	0.04	**1.01**	0.08	**0.96**	0.05
	0.35	0.20	0.21	0.54	0.24	**1.03**	0.60	**0.86**	0.47
	-0.09	-0.09	-0.13	**0.65**	0.37	**1.05**	**0.66**	**0.89**	**0.91**
$\sigma_S(kw)$	0.24	0.29	0.27	0.19	**0.80**	0.15	**1.01**	0.14	**0.86**
	-0.00	0.02	0.07	0.16	**0.83**	0.08	**1.01**	0.07	**0.90**
	0.31	0.31	0.35	**0.68**	**0.69**	0.60	**1.03**	0.41	**0.73**
	-0.05	-0.02	-0.00	**0.65**	**0.86**	**0.66**	**1.05**	0.40	0.51
$\mu_S(sw)$	0.09	0.05	0.04	0.55	0.01	**0.95**	0.14	**1.01**	0.19
	-0.05	-0.14	-0.11	0.60	-0.02	**0.96**	0.07	**1.01**	0.10
	0.46	0.16	0.18	0.23	0.05	**0.86**	0.41	**1.03**	**0.60**
	0.00	-0.17	-0.19	0.25	0.05	**0.89**	0.40	**1.05**	**0.95**
$\sigma_S(sw)$	0.26	0.28	0.25	0.02	0.53	0.11	**0.86**	0.19	**1.01**
	-0.01	0.02	0.07	0.01	**0.62**	0.05	**0.90**	0.10	**1.01**
	0.39	0.25	0.29	0.24	0.21	0.47	**0.73**	**0.60**	**1.03**
	-0.02	-0.05	-0.07	0.40	0.20	**0.91**	0.51	**0.95**	**1.05**

TABLE S429. Pierson correlation coefficient for the topological and textual measures. TAG: 8

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	0.11	0.11	-0.04	-0.05	-0.01	-0.04	0.17	0.19
(p.)	**1.01**	0.24	0.29	-0.04	-0.02	-0.03	-0.02	0.10	0.11
(i.)	**1.02**	-0.16	0.01	0.14	-0.16	0.11	-0.22	0.08	-0.00
(h.)	**1.14**	-0.57	-0.48	-0.22	-0.06	**0.69**	**0.72**	0.59	**0.71**
d	0.11	**1.01**	**0.99**	-0.06	-0.03	-0.04	-0.02	0.10	0.23
	0.24	**1.01**	**0.99**	-0.03	0.00	-0.10	0.00	-0.14	-0.06
	-0.16	**1.02**	**0.87**	-0.14	-0.01	-0.12	0.10	-0.01	0.31
	-0.57	**1.14**	**1.13**	-0.44	-0.29	-0.54	-0.45	**-0.69**	-0.48
s	0.11	**0.99**	**1.01**	-0.05	-0.03	-0.03	-0.02	0.09	0.20
	0.29	**0.99**	**1.01**	-0.04	-0.00	-0.09	-0.00	-0.08	-0.04
	0.01	**0.87**	**1.02**	-0.14	-0.02	-0.14	0.01	-0.01	0.20
	-0.48	**1.13**	**1.14**	-0.46	-0.33	-0.44	-0.35	**-0.61**	-0.39
$\mu_S(p)$	-0.04	-0.06	-0.05	**1.01**	**0.99**	**0.96**	**0.98**	-0.09	-0.08
	-0.04	-0.03	-0.04	**1.01**	**1.00**	**0.98**	**1.00**	-0.10	-0.05
	0.14	-0.14	-0.14	**1.02**	0.44	**0.75**	0.35	0.19	-0.16
	-0.22	-0.44	-0.46	**1.14**	0.55	0.58	0.48	**0.73**	0.57
$\sigma_S(p)$	-0.05	-0.03	-0.03	**0.99**	**1.01**	**0.93**	**1.00**	-0.12	-0.03
	-0.02	0.00	-0.00	**1.00**	**1.01**	**0.95**	**1.01**	-0.13	-0.01
	-0.16	-0.01	-0.02	0.44	**1.02**	0.22	**0.69**	0.01	-0.00
	-0.06	-0.29	-0.33	0.55	**1.14**	0.07	0.53	0.27	0.51
$\mu_S(kw)$	-0.01	-0.04	-0.03	**0.96**	**0.93**	**1.01**	**0.93**	0.10	0.03
	-0.03	-0.10	-0.09	**0.98**	**0.95**	**1.01**	**0.95**	0.05	0.01
	0.11	-0.12	-0.14	**0.75**	0.22	**1.02**	0.55	**0.71**	0.29
	0.69	-0.54	-0.44	0.58	0.07	**1.14**	**0.97**	**1.08**	**1.00**
$\sigma_S(kw)$	-0.04	-0.02	-0.02	**0.98**	**1.00**	**0.93**	**1.01**	-0.09	0.03
	-0.02	0.00	-0.00	**1.00**	**1.01**	**0.95**	**1.01**	-0.11	0.03
	-0.22	0.10	0.01	0.35	**0.69**	0.55	**1.02**	0.43	0.56
	0.72	-0.45	-0.35	0.48	0.53	**0.97**	**1.14**	**0.94**	**1.13**
$\mu_S(sw)$	0.17	0.10	0.09	-0.09	-0.12	0.10	-0.09	**1.01**	0.53
	0.10	-0.14	-0.08	-0.10	-0.13	0.05	-0.11	**1.01**	0.45
	0.08	-0.01	-0.01	0.19	0.01	**0.71**	0.43	**1.02**	**0.63**
	0.59	**-0.69**	**-0.61**	**0.73**	0.27	**1.08**	**0.94**	**1.14**	**0.98**
$\sigma_S(sw)$	0.19	0.23	0.20	-0.08	-0.03	0.03	0.03	0.53	**1.01**
	0.11	-0.06	-0.04	-0.05	-0.01	0.01	0.03	0.45	**1.01**
	-0.00	0.31	0.20	-0.16	-0.00	0.29	0.56	**0.63**	**1.02**
	0.71	-0.48	-0.39	0.57	0.51	**1.00**	**1.13**	**0.98**	**1.14**

TABLE S430. Pierson correlation coefficient for the topological and textual measures. TAG: 10

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.02**	0.12	0.05	0.20	0.16	0.44	0.37	0.42	0.47
(p.)	**1.03**	**0.76**	**0.77**	0.26	0.18	0.48	0.39	0.45	0.49
(i.)	**1.05**	-0.20	-0.11	-0.33	-0.02	0.04	0.12	0.19	0.24
(h.)	**1.20**	**-1.07**	-0.25	0.07	0.18	0.23	0.38	0.09	0.39
d	0.12	**1.02**	**0.91**	0.02	0.19	0.13	0.16	0.10	0.12
	0.76	**1.03**	**0.98**	0.25	0.26	0.35	0.36	0.32	0.45
	-0.20	**1.05**	**0.85**	0.06	0.05	0.33	0.09	0.14	0.03
	-1.07	**1.20**	**0.65**	-0.49	**-0.61**	-0.34	-0.37	0.04	-0.14
s	0.05	**0.91**	**1.02**	-0.02	0.12	0.09	0.13	0.06	0.09
	0.77	**0.98**	**1.02**	0.18	0.21	0.30	0.37	0.29	0.44
	-0.11	**0.85**	**1.05**	-0.03	-0.05	0.33	0.26	0.15	0.15
	-0.25	**0.65**	**1.20**	-0.42	-0.48	-0.31	-0.08	-0.13	0.06
$\mu_S(p)$	0.20	0.02	-0.02	**1.02**	**0.79**	0.54	0.47	0.29	0.41
	0.26	0.25	0.18	**1.02**	**0.85**	0.60	0.55	0.35	0.48
	-0.33	0.06	-0.03	**1.05**	**0.73**	0.28	0.02	0.03	0.15
	0.07	-0.49	-0.42	**1.20**	**1.19**	0.47	0.42	-0.25	-0.34
$\sigma_S(p)$	0.16	0.19	0.12	**0.79**	**1.02**	0.41	0.57	0.18	0.39
	0.18	0.26	0.21	**0.85**	**1.03**	0.47	**0.68**	0.20	0.44
	-0.02	0.05	-0.05	**0.73**	**1.05**	0.40	0.40	0.23	0.47
	0.18	**-0.61**	-0.48	**1.19**	**1.20**	0.40	0.35	-0.33	-0.39
$\mu_S(kw)$	0.44	0.13	0.09	0.54	0.41	**1.02**	**0.75**	**0.92**	**0.82**
	0.48	0.35	0.30	0.60	0.47	**1.02**	**0.76**	**0.94**	**0.84**
	0.04	0.33	0.33	0.28	0.40	**1.05**	**0.77**	**0.84**	**0.71**
	0.23	-0.34	-0.31	0.47	0.40	**1.20**	**1.10**	**0.96**	**0.88**
$\sigma_S(kw)$	0.37	0.16	0.13	0.47	0.57	**0.75**	**1.02**	0.60	**0.87**
	0.39	0.36	0.37	0.55	**0.68**	**0.76**	**1.02**	**0.61**	**0.89**
	0.12	0.09	0.26	0.02	0.40	**0.77**	**1.05**	0.58	**0.75**
	0.38	-0.37	-0.08	0.42	0.35	**1.10**	**1.20**	**0.91**	**0.95**
$\mu_S(sw)$	0.42	0.10	0.06	0.29	0.18	**0.92**	0.60	**1.02**	**0.81**
	0.45	0.32	0.29	0.35	0.20	**0.94**	**0.61**	**1.02**	**0.81**
	0.19	0.14	0.15	0.03	0.23	**0.84**	0.58	**1.05**	**0.90**
	0.09	0.04	-0.13	-0.25	-0.33	**0.96**	**0.91**	**1.20**	**1.13**
$\sigma_S(sw)$	0.47	0.12	0.09	0.41	0.39	**0.82**	**0.87**	**0.81**	**1.02**
	0.49	0.45	0.44	0.48	0.44	**0.84**	**0.89**	**0.81**	**1.02**
	0.24	0.03	0.15	0.15	0.47	**0.71**	**0.75**	**0.90**	**1.05**
	0.39	-0.14	0.06	-0.34	-0.39	**0.88**	**0.95**	**1.13**	**1.20**

TABLE S431. Pierson correlation coefficient for the topological and textual measures. TAG: 11

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.19	0.19	0.06	0.08	-0.05	-0.00	-0.07	-0.06
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.01**	0.28	0.25	0.06	0.11	-0.06	0.01	-0.10	-0.09
(h.)	**1.11**	-0.26	-0.18	0.13	-0.14	-0.21	-0.25	-0.24	-0.25
d	0.19	**1.00**	**1.00**	0.09	0.29	0.13	0.37	0.15	0.32
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.28	**1.01**	**0.97**	0.02	0.20	0.03	0.12	0.08	0.11
	-0.26	**1.11**	**1.09**	**0.86**	**1.06**	**1.00**	**1.07**	**0.94**	**1.03**
s	0.19	**1.00**	**1.00**	0.08	0.29	0.13	0.38	0.15	0.33
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.25	**0.97**	**1.01**	0.02	0.23	0.03	0.16	0.08	0.17
	-0.18	**1.09**	**1.11**	**0.85**	**1.07**	**1.01**	**1.07**	**0.95**	**1.04**
$\mu_S(p)$	0.06	0.09	0.08	**1.00**	**0.65**	0.57	0.50	0.13	0.15
	0.00	0.00	0.00	**1.01**	**0.75**	0.36	0.53	-0.01	0.12
	0.06	0.02	0.02	**1.01**	**0.62**	**0.67**	0.53	0.19	0.14
	0.13	**0.86**	**0.85**	**1.11**	**0.93**	**0.91**	**0.80**	**0.81**	**0.83**
$\sigma_S(p)$	0.08	0.29	0.29	**0.65**	**1.00**	0.38	**0.66**	0.09	0.32
	0.00	0.00	0.00	**0.75**	**1.01**	0.42	**0.70**	0.08	0.24
	0.11	0.20	0.23	**0.62**	**1.01**	0.31	0.57	-0.00	0.19
	-0.14	**1.06**	**1.07**	**0.93**	**1.11**	**1.04**	**1.08**	**1.00**	**1.08**
$\mu_S(kw)$	-0.05	0.13	0.13	0.57	0.38	**1.00**	**0.66**	**0.62**	0.45
	0.00	0.00	0.00	0.36	0.42	**1.01**	**0.69**	0.56	0.44
	-0.06	0.03	0.03	**0.67**	0.31	**1.01**	**0.66**	**0.64**	0.42
	-0.21	**1.00**	**1.01**	**0.91**	**1.04**	**1.11**	**1.04**	**1.10**	**1.07**
$\sigma_S(kw)$	-0.00	0.37	0.38	0.50	**0.66**	**0.66**	**1.00**	0.38	**0.74**
	0.00	0.00	0.00	0.53	**0.70**	**0.69**	**1.01**	0.43	**0.68**
	0.01	0.12	0.16	0.53	0.57	**0.66**	**1.01**	0.28	**0.69**
	-0.25	**1.07**	**1.07**	**0.80**	**1.08**	**1.04**	**1.11**	**1.03**	**1.10**
$\mu_S(sw)$	-0.07	0.15	0.15	0.13	0.09	**0.62**	0.38	**1.00**	**0.63**
	0.00	0.00	0.00	-0.01	0.08	0.56	0.43	**1.01**	**0.74**
	-0.10	0.08	0.08	0.19	-0.00	**0.64**	0.28	**1.01**	0.53
	-0.24	**0.94**	**0.95**	**0.81**	**1.00**	**1.10**	**1.03**	**1.11**	**1.06**
$\sigma_S(sw)$	-0.06	0.32	0.33	0.15	0.32	0.45	**0.74**	**0.63**	**1.00**
	0.00	0.00	0.00	0.12	0.24	0.44	**0.68**	**0.74**	**1.01**
	-0.09	0.11	0.17	0.14	0.19	0.42	**0.69**	0.53	**1.01**
	-0.25	**1.03**	**1.04**	**0.83**	**1.08**	**1.07**	**1.10**	**1.06**	**1.11**

TABLE S432. Pierson correlation coefficient for the topological and textual measures. TAG: 15

J. Formation of principal components

1. Snapshots of 1000 messages

	PC1	PC2	PC3	PC4	PC5
cc	1.51	4.22	3.79	60.58	-8.05
(p.)	-1.87	-9.12	-7.87	57.49	2.39
(i.)	5.36	-9.14	3.43	-61.05	-2.48
(h.)	-1.76	22.11	-10.33	28.35	-5.24
d	5.85	31.95	-5.60	-3.15	-3.06
	-5.48	-22.79	-10.69	-9.22	-2.45
	-6.19	28.39	-6.30	-10.40	-0.85
	-4.93	-26.62	4.50	-1.04	7.03
s	5.76	31.94	-5.62	-5.16	-2.25
	-4.94	-21.79	-11.89	-17.98	-0.34
	-5.46	27.88	-8.68	-12.71	0.57
	-9.33	-15.53	5.61	33.57	4.18
$\mu_S(p)$	15.47	-8.94	-4.94	-6.31	-22.64
	16.37	-1.31	-3.41	2.14	-24.04
	-15.40	-0.35	9.85	0.74	-23.09
	-8.92	-12.72	-23.77	4.03	-20.83
$\sigma_S(p)$	13.22	-1.81	17.64	-8.85	-19.66
	12.19	-11.61	13.99	3.92	-24.10
	-13.13	-10.60	-12.76	-1.07	-23.30
	-12.11	1.73	-22.81	-5.36	29.45
$\mu_S(kw)$	15.11	-9.18	-15.88	1.87	2.21
	15.32	6.77	-15.95	-3.82	-0.69
	-15.67	1.09	13.94	-2.91	2.80
	-15.15	6.98	14.49	3.10	8.36
$\sigma_S(kw)$	15.04	-0.81	15.76	-1.79	12.26
	15.49	-10.21	10.00	-2.19	14.06
	-13.35	-11.96	-14.22	-5.27	6.01
	-16.09	8.98	-1.66	-10.92	1.57
$\mu_S(sw)$	12.85	-8.34	-20.03	7.33	7.90
	13.42	7.51	-19.35	-2.50	4.85
	-12.23	1.97	19.62	-2.83	14.35
	-14.85	5.22	16.49	0.94	-3.51
$\sigma_S(sw)$	15.19	2.82	10.73	4.98	21.97
	14.93	-8.90	6.86	0.75	27.08
	-13.22	-8.61	-11.19	-3.02	26.55
	-16.88	0.10	-0.35	-12.70	-19.84
λ	41.88	21.15	15.77	11.16	6.23
	42.39	21.99	14.07	10.32	6.21
	41.56	21.72	16.79	9.87	6.63
	47.87	24.55	17.41	8.46	0.96

TABLE S433. PCA formation TAG: 0

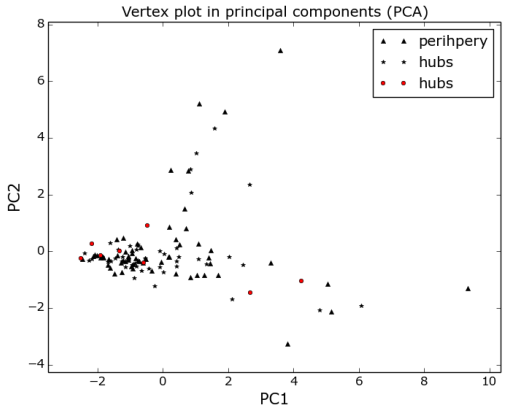

FIG. S1. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-1.58	-6.03	-5.74	-64.52	-3.98
(p.)	-0.45	-8.46	-15.92	-41.59	4.49
(i.)	-6.15	6.47	-6.78	-55.96	0.95
(h.)	6.05	-10.29	-16.04	34.91	-9.71
d	0.85	-30.37	-10.23	7.37	1.09
	-5.80	-22.48	-12.85	11.09	-2.30
	5.88	-28.73	6.62	-8.92	4.68
	-5.58	26.90	2.72	10.23	0.81
s	0.89	-30.24	-10.41	8.51	1.17
	-5.12	-23.01	-10.95	15.56	-0.23
	5.39	-28.26	9.37	-10.78	-2.33
	-6.40	26.10	0.99	12.68	3.32
$\mu_S(p)$	-18.90	4.86	-10.53	5.89	-15.89
	18.19	2.82	-8.58	8.28	13.52
	-15.70	1.45	9.54	0.36	16.40
	13.54	-3.64	14.50	12.60	17.34
$\sigma_S(p)$	-18.50	4.49	-12.01	6.42	-18.85
	18.03	3.41	-9.40	7.74	14.74
	-15.38	0.71	11.45	-2.66	-13.70
	11.61	-1.14	22.89	6.61	7.81
$\mu_S(kw)$	-20.01	0.63	0.00	-2.24	23.17
	18.83	-3.54	-1.54	-1.49	-23.75
	-16.10	-3.89	5.34	5.06	15.08
	16.19	4.76	-1.78	-4.06	-10.68
$\sigma_S(kw)$	-19.87	-0.26	-2.76	-2.00	17.69
	18.86	-2.67	-3.10	-2.76	-10.89
	-15.34	-4.82	8.77	3.89	-20.05
	13.56	10.29	8.93	-4.97	-27.59
$\mu_S(sw)$	-9.12	-10.44	25.41	-1.29	1.48
	6.35	-16.92	19.72	-5.77	-8.38
	-11.45	-12.95	-18.44	7.54	12.86
	14.24	6.07	-16.61	-5.84	9.96
$\sigma_S(sw)$	-10.28	-12.68	22.91	-1.75	-16.68
	8.38	-16.70	17.93	-5.72	21.69
	-8.62	-12.71	-23.69	4.84	-13.94
	12.84	10.81	-15.54	-8.11	12.78
λ	42.39	23.06	18.27	10.81	2.48
	43.34	24.13	17.91	9.11	2.12
	47.79	21.31	14.55	9.68	2.92
	45.64	22.96	14.83	8.60	4.17

TABLE S434. PCA formation TAG: 2

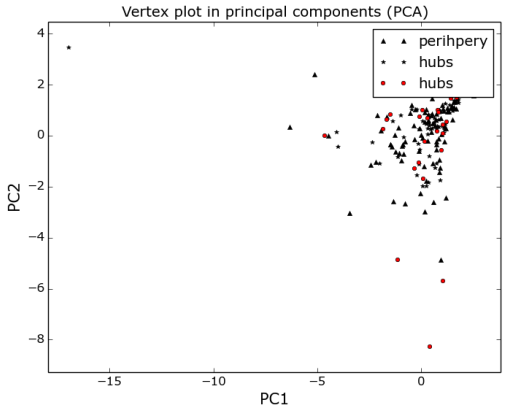

FIG. S2. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	8.27	-5.55	7.05	-53.12	-6.80
(p.)	-8.58	-17.53	2.87	33.69	-6.40
(i.)	0.65	-19.27	8.59	19.76	-25.88
(h.)	-2.22	23.23	6.48	-21.72	21.46
d	1.44	40.14	-0.83	-3.14	-3.10
	-9.45	-19.34	5.42	-7.18	-12.30
	0.24	18.41	-13.11	-9.92	-25.70
	8.30	-22.07	4.31	-5.16	10.92
s	1.13	40.04	-2.84	-3.83	-2.07
	-8.66	-14.36	18.45	-23.03	9.30
	-6.18	9.59	-17.81	27.39	-1.91
	8.37	-21.83	0.58	-7.99	15.66
$\mu_S(p)$	14.14	-4.27	-16.67	5.76	-21.42
	-10.49	16.49	7.76	-2.19	-22.79
	-16.07	-10.72	-4.51	-16.23	-7.50
	-13.68	-4.34	-16.34	-17.94	-6.83
$\sigma_S(p)$	14.53	-2.22	-18.76	-3.03	9.93
	-11.63	14.05	14.18	8.99	5.13
	-16.72	-9.01	-10.63	-0.14	7.41
	-14.72	-4.98	-14.04	0.93	8.71
$\mu_S(kw)$	16.26	-2.22	7.13	14.95	-18.15
	-13.07	4.89	-10.48	-9.99	-10.90
	-18.02	3.75	8.82	-8.00	-13.55
	-15.86	-2.95	5.59	1.72	4.32
$\sigma_S(kw)$	16.75	-0.29	-9.61	-1.69	18.11
	-13.54	7.85	5.87	5.72	15.98
	-18.56	-4.94	-6.98	3.99	6.70
	-14.71	-8.73	-8.41	9.13	8.14
$\mu_S(sw)$	12.46	1.21	22.51	8.32	-3.39
	-11.64	-4.88	-21.72	-6.88	-1.07
	-9.10	13.38	17.52	6.70	-2.50
	-12.29	0.33	22.79	16.14	8.45
$\sigma_S(sw)$	15.02	4.06	14.59	6.14	17.03
	-12.93	0.61	-13.26	2.33	16.12
	-14.47	10.93	12.02	7.86	8.85
	-9.85	-11.55	21.46	-19.26	-15.51
λ	45.86	22.16	16.24	9.20	3.31
	54.83	17.98	10.87	5.79	4.18
	40.74	26.19	20.32	6.45	2.82
	52.53	28.56	12.49	4.31	1.69

TABLE S435. PCA formation TAG: 3

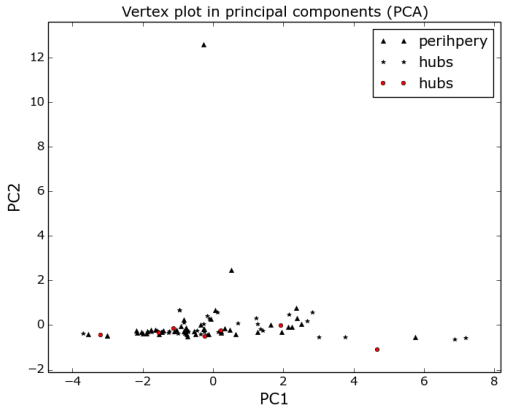

FIG. S3. First two principal components.

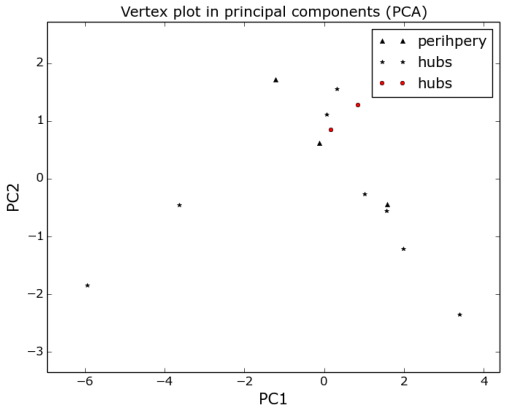

FIG. S4. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-0.41	-14.67	-0.86	66.53	-2.95
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	2.22	22.81	11.67	-34.59	9.26
(h.)	11.69	-6.64	12.91	-30.67	16.09
d	-0.63	-40.08	1.79	-11.62	-0.26
	0.00	0.00	0.00	0.00	0.00
	-0.13	31.73	0.98	6.59	-12.55
	-5.26	31.69	5.13	-1.53	3.55
s	-0.57	-39.97	1.60	-12.80	-0.02
	0.00	0.00	0.00	0.00	0.00
	-3.48	28.22	-13.52	14.88	-3.29
	-4.64	32.09	4.93	-5.84	-0.51
$\mu_S(p)$	20.52	0.16	11.41	0.05	-6.85
	20.94	11.59	-6.77	-31.95	-6.55
	-17.05	-0.47	12.98	1.26	-0.61
	13.39	6.31	-13.97	6.17	2.23
$\sigma_S(p)$	21.35	-0.67	9.48	1.62	5.80
	21.74	9.94	5.80	11.35	-36.85
	-17.35	3.25	9.15	7.33	4.47
	14.04	6.97	-5.91	-10.84	-17.57
$\mu_S(kw)$	21.74	-0.07	0.14	-1.26	-12.29
	22.15	-0.17	-12.54	-6.43	28.75
	-17.45	-4.53	4.61	-5.52	-13.10
	13.57	6.01	-5.38	14.87	25.18
$\sigma_S(kw)$	21.09	-0.75	2.61	0.78	11.54
	21.48	2.83	11.74	28.39	17.09
	-17.91	0.87	6.18	5.71	3.24
	12.70	7.78	-15.84	-7.16	-5.97
$\mu_S(sw)$	6.40	-1.18	-37.00	-3.73	-29.25
	6.41	-38.71	-30.57	8.33	-10.52
	-11.56	-5.78	-21.19	-20.11	-22.54
	12.09	2.51	19.83	13.94	5.84
$\sigma_S(sw)$	7.30	-2.45	-35.10	1.62	31.04
	7.28	-36.77	32.58	-13.55	0.23
	-12.85	2.35	-19.72	-4.01	30.94
	12.63	0.01	16.11	8.98	-23.05
λ	41.01	22.92	15.02	10.33	7.20
	61.55	22.63	10.74	3.62	1.38
	49.87	23.35	11.72	7.55	4.77
	58.00	21.48	12.13	3.94	3.37

TABLE S436. PCA formation TAG: 6

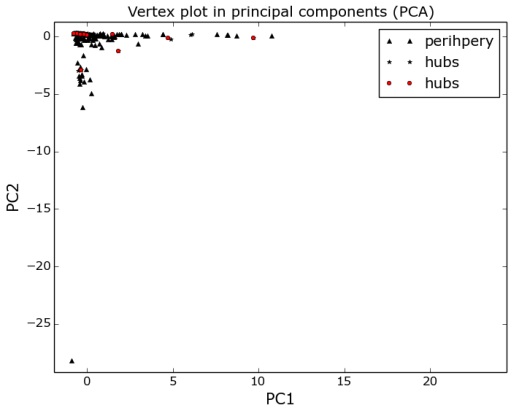

FIG. S5. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	1.38	8.28	22.03	-34.85	-7.34
(p.)	0.98	15.54	16.25	-34.28	13.46
(i.)	-3.87	-8.30	-5.30	-44.16	12.46
(h.)	1.91	-18.70	-36.15	-14.89	-3.13
d	7.60	27.64	0.37	8.18	-4.69
	2.11	30.21	0.78	11.04	-1.24
	-9.32	-25.08	-2.10	9.60	5.73
	-4.07	32.50	-8.12	2.44	-8.63
s	7.33	27.81	0.05	8.72	-4.73
	1.78	29.82	2.83	12.75	-2.18
	-8.12	-26.21	-1.60	11.90	5.19
	-3.21	31.22	-14.92	-8.38	8.76
$\mu_S(p)$	13.77	-11.55	11.02	8.91	-14.83
	-16.41	5.34	-16.52	0.53	13.90
	-13.47	12.33	-14.92	2.18	9.86
	-15.34	-4.40	-6.84	6.82	20.15
$\sigma_S(p)$	14.09	-7.08	17.62	7.56	9.66
	-16.75	7.72	-15.43	-7.59	-5.07
	-13.82	2.61	-14.78	-8.16	-19.20
	-15.13	-1.69	8.20	-16.27	8.52
$\mu_S(kw)$	14.18	-9.84	-7.39	0.81	-19.80
	-16.74	-3.52	1.15	8.14	20.08
	-12.88	15.65	0.02	10.72	17.16
	-15.52	-4.82	-3.65	11.67	10.94
$\sigma_S(kw)$	15.46	-3.20	7.02	2.83	13.61
	-17.26	2.47	-3.57	-9.48	-14.51
	-15.93	2.47	-8.56	3.04	-9.37
	-14.49	-0.82	12.87	-19.88	-3.61
$\mu_S(sw)$	11.97	-1.65	-23.81	-16.63	-5.39
	-12.54	-5.06	26.59	14.58	8.37
	-10.90	5.38	28.40	-1.98	7.23
	-14.84	-3.27	-9.24	17.85	-10.99
$\sigma_S(sw)$	14.22	2.96	-10.70	-11.49	19.94
	-15.45	-0.34	16.89	-1.60	-21.18
	-11.71	-1.97	24.33	-8.26	-13.81
	-15.49	-2.58	-0.00	-1.80	-25.28
λ	44.66	21.17	11.69	10.50	7.04
	42.35	23.55	11.78	9.40	7.50
	40.83	20.08	13.95	10.84	8.19
	58.59	22.09	10.55	5.10	2.34

TABLE S437. PCA formation TAG: 7

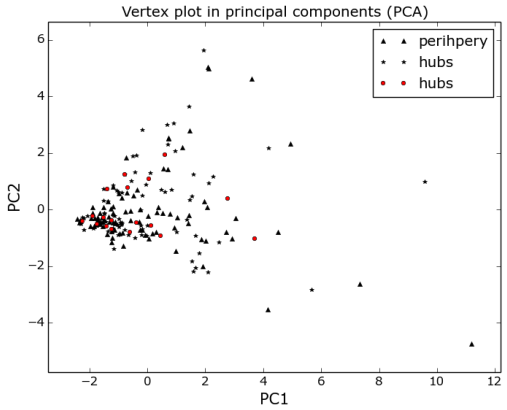

FIG. S6. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-0.20	-9.71	-19.54	41.62	7.90
(p.)	1.63	16.69	12.74	-37.49	-15.64
(i.)	-2.24	8.87	7.94	-44.48	-13.62
(h.)	4.83	-23.47	-0.15	-27.15	-9.93
d	0.75	-27.42	11.35	2.73	-2.16
	5.98	26.52	-10.39	8.57	-0.37
	-7.93	-13.38	21.48	3.05	0.65
	4.36	24.13	-10.02	-6.90	-1.32
s	0.89	-26.38	14.47	1.19	-5.40
	5.73	26.30	-11.62	8.84	-2.24
	-7.37	-13.64	21.83	-0.55	3.13
	2.09	24.62	-6.10	-18.94	-10.31
$\mu_S(p)$	19.63	5.18	5.98	7.77	-6.30
	-17.37	1.97	-8.11	-7.20	6.23
	-9.53	19.84	7.10	1.17	9.96
	-16.85	7.36	8.31	-1.06	17.54
$\sigma_S(p)$	19.67	4.06	6.39	8.31	1.52
	-17.48	1.91	-8.51	-5.14	-0.51
	-9.72	18.52	9.18	9.96	12.28
	-14.54	6.33	16.45	-0.56	-10.56
$\mu_S(kw)$	20.28	1.80	-0.69	0.71	-9.72
	-17.57	5.49	-2.01	-1.71	9.18
	-17.18	-0.36	-9.88	-6.54	7.62
	-17.63	-1.31	-9.89	3.27	-12.34
$\sigma_S(kw)$	20.33	1.98	3.45	1.05	6.42
	-17.79	3.07	-5.28	-0.39	-4.88
	-16.16	6.50	-0.87	14.96	-26.20
	-17.73	-1.50	9.46	-10.04	-7.40
$\mu_S(sw)$	7.13	-11.19	-24.93	-15.27	-27.68
	-5.37	14.40	25.76	8.24	28.01
	-13.95	-9.90	-11.89	-15.56	16.85
	-9.64	-5.94	-21.79	15.54	-11.21
$\sigma_S(sw)$	11.12	-12.27	-13.19	-21.35	32.90
	-11.08	3.65	15.58	22.41	-32.94
	-15.92	-8.99	-9.83	3.73	-9.69
	-12.33	-5.33	-17.83	-16.55	19.40
λ	45.44	24.25	13.71	9.56	5.43
	48.29	23.42	11.75	9.00	6.03
	39.25	25.48	17.02	11.10	3.20
	41.85	29.10	21.15	4.17	3.08

TABLE S438. PCA formation TAG: 8

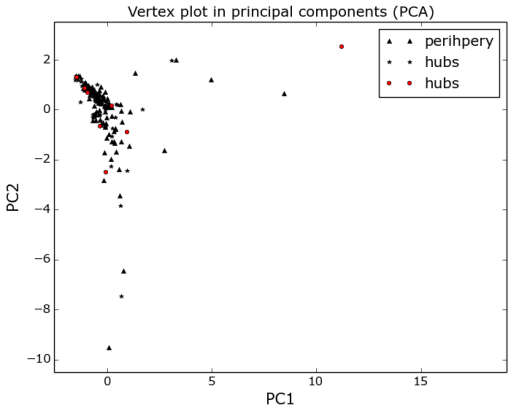

FIG. S7. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-0.04	-2.94	-3.69	-74.48	-2.31
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	5.19	-7.40	10.74	-54.00	4.03
(h.)	-3.66	18.05	-41.36	9.58	-5.69
d	-7.68	-27.48	-8.86	4.81	-3.26
	-4.95	36.43	1.34	0.88	4.98
	-2.85	36.17	0.48	-8.62	0.49
	5.90	-19.94	-19.27	-8.23	-2.43
s	-7.95	-27.19	-9.00	5.61	-3.18
	-7.17	35.09	0.53	-0.59	-2.63
	-4.74	35.50	2.05	-3.60	4.46
	6.43	-19.58	-18.87	-9.05	-2.62
$\mu_S(p)$	-13.76	13.08	-13.05	4.00	-15.66
	-14.29	-5.95	22.50	12.23	-1.53
	-16.30	-5.71	8.13	2.84	18.56
	13.34	10.01	3.80	-12.43	-27.71
$\sigma_S(p)$	-12.91	13.35	-17.55	0.87	0.38
	-13.80	-3.95	24.15	-2.54	-20.35
	-14.88	-4.87	18.51	3.40	9.50
	13.08	10.17	-0.27	-19.10	9.94
$\mu_S(kw)$	-14.91	3.44	12.93	-1.15	-20.38
	-16.42	-6.00	-9.04	21.47	18.23
	-13.89	-4.45	-20.21	-6.80	15.70
	14.63	5.68	3.78	1.63	-1.25
$\sigma_S(kw)$	-16.14	6.37	-3.32	-2.45	15.15
	-17.19	-6.79	0.92	-17.97	22.22
	-16.24	-2.00	11.54	0.65	-5.95
	14.37	6.84	-5.00	-1.25	19.63
$\mu_S(sw)$	-12.36	-4.49	23.01	-3.52	-9.20
	-11.98	-2.25	-25.65	17.04	-19.21
	-11.98	-2.46	-25.65	-14.64	-4.15
	13.94	-6.29	5.78	22.10	-16.22
$\sigma_S(sw)$	-14.24	-1.66	8.58	-3.12	30.49
	-14.20	-3.54	-15.87	-27.28	-10.86
	-13.93	-1.45	2.69	-5.46	-37.15
	14.65	-3.45	-1.87	16.63	14.50
λ	43.66	21.33	12.82	11.07	6.89
	43.64	23.03	18.03	8.54	3.51
	44.89	20.96	13.78	10.01	6.77
	61.53	31.19	4.83	2.34	0.11

TABLE S439. PCA formation TAG: 9

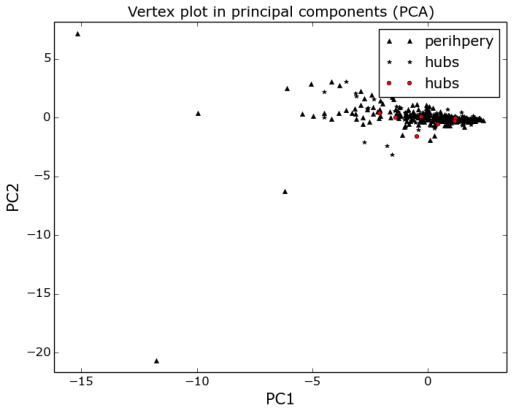

FIG. S8. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-1.28	-5.10	-17.03	-44.05	1.65
(p.)	1.06	21.97	3.69	-46.92	1.51
(i.)	-0.91	5.97	-2.17	72.32	3.21
(h.)	-6.47	2.23	-9.51	-42.46	-2.68
d	-5.17	-30.00	7.45	-1.34	4.15
	1.13	32.03	-5.93	13.90	-0.16
	-6.25	-30.14	4.37	7.21	-7.12
	11.99	-13.86	15.03	-7.58	-6.67
s	-5.14	-29.87	8.35	-0.76	2.98
	1.07	31.76	-5.57	16.38	-0.23
	-6.71	-29.56	8.91	7.51	-4.07
	10.51	-15.09	17.56	-5.07	-4.93
$\mu_S(p)$	-14.60	11.67	13.54	-10.56	11.38
	-17.39	-1.65	-16.12	-4.92	-11.47
	-9.50	16.75	21.16	1.55	-14.25
	3.33	21.22	15.90	-3.29	30.52
$\sigma_S(p)$	-13.61	2.88	9.90	-9.27	-25.45
	-16.49	-0.94	-11.73	1.70	18.63
	-10.12	4.50	28.60	-0.82	12.79
	6.36	22.74	6.39	-2.31	-34.26
$\mu_S(kw)$	-16.38	9.98	6.61	-3.90	15.52
	-18.68	-0.43	-8.59	-4.41	-13.32
	-16.81	7.89	-5.52	-2.03	-14.44
	14.66	5.90	-13.66	13.62	2.92
$\sigma_S(kw)$	-17.48	2.64	-2.58	3.30	-10.27
	-18.97	0.67	2.39	-0.79	12.61
	-16.78	0.22	-2.91	-6.64	18.30
	15.77	10.58	0.67	-9.28	1.01
$\mu_S(sw)$	-13.01	-1.98	-16.08	12.95	17.00
	-12.43	5.10	21.31	5.85	-25.16
	-16.57	3.70	-12.97	0.28	-12.49
	15.63	-3.59	-13.86	2.99	-2.85
$\sigma_S(sw)$	-13.33	-5.88	-18.46	13.89	-11.60
	-12.77	5.45	24.68	5.14	16.91
	-16.35	-1.28	-13.39	-1.64	13.32
	15.29	-4.78	-7.43	-13.41	14.16
λ	41.95	22.34	13.30	10.30	7.05
	43.38	25.28	13.17	7.81	6.58
	40.09	21.59	13.13	10.97	7.83
	45.00	24.10	14.73	11.07	2.44

TABLE S440. PCA formation TAG: 10

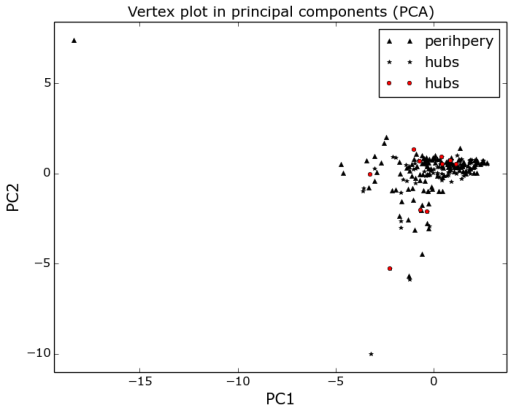

FIG. S9. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	6.30	3.08	14.14	-45.36	9.79
(p.)	5.99	19.82	-3.28	6.21	-35.98
(i.)	1.52	-10.23	-22.16	-31.44	11.54
(h.)	14.03	-7.39	7.97	-22.17	-5.91
d	8.16	-27.97	9.43	4.07	0.69
	9.84	18.09	8.74	-2.21	21.95
	2.66	21.53	13.47	-8.95	22.83
	-14.38	3.44	13.28	17.11	-23.47
s	6.55	-29.86	6.92	8.13	3.81
	9.31	18.73	12.81	2.74	8.24
	7.90	14.25	11.66	-28.66	-20.95
	-14.08	1.77	18.72	-2.36	17.99
$\mu_S(p)$	6.46	16.87	17.83	24.25	13.09
	7.53	0.73	-30.61	11.72	7.05
	-8.61	21.92	-12.54	6.43	2.56
	14.12	8.51	3.33	-1.89	-20.74
$\sigma_S(p)$	10.66	10.61	17.66	4.79	-18.81
	11.81	4.29	-18.70	-19.29	3.27
	-6.42	18.84	-21.12	3.73	-6.68
	13.47	10.13	2.25	13.45	24.32
$\mu_S(kw)$	15.60	7.32	-4.36	6.44	18.41
	14.64	-7.28	-2.69	19.43	5.48
	18.20	-2.10	-9.30	1.70	5.30
	8.01	15.05	24.13	4.44	0.44
$\sigma_S(kw)$	16.14	2.01	-5.55	-4.69	-16.47
	14.19	-9.37	5.24	-15.82	-7.79
	17.23	2.38	-8.42	6.91	-16.67
	4.39	20.57	-9.08	6.08	-5.10
$\mu_S(sw)$	14.24	-0.02	-15.74	-1.74	10.06
	12.34	-11.59	13.25	13.59	-4.06
	20.15	0.42	-0.19	5.82	8.40
	-9.51	16.30	3.32	-31.30	0.73
$\sigma_S(sw)$	15.89	2.25	-8.38	-0.53	-8.87
	14.34	-10.10	4.68	-9.00	-6.18
	17.30	8.34	-1.14	6.36	5.07
	-8.00	16.83	-17.93	-1.20	1.30
λ	41.78	20.60	15.54	9.51	5.77
	43.49	22.83	14.53	6.28	5.34
	37.30	21.71	14.29	9.28	6.27
	56.87	33.33	7.92	1.46	0.42

TABLE S441. PCA formation TAG: 11

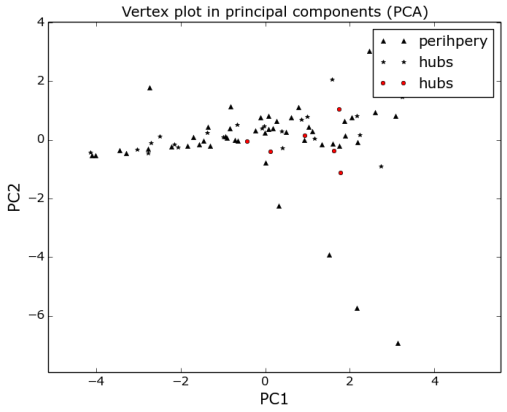

FIG. S10. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	0.41	10.01	-59.43	-10.51	-3.39
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	1.26	3.67	-13.83	-55.31	3.46
(h.)	-0.45	11.30	34.45	21.42	0.01
d	-0.17	39.18	8.70	-1.04	-1.66
	2.00	-44.07	-1.60	-2.81	-0.48
	0.59	37.67	8.96	-0.94	-5.35
	8.36	-22.74	-5.11	14.08	22.98
s	0.17	39.23	7.90	0.28	-3.26
	2.00	-44.07	-1.60	-2.81	-0.48
	2.61	38.18	4.70	0.46	2.76
	8.43	-23.48	6.32	7.30	-27.62
$\mu_S(p)$	18.42	-1.28	-1.13	7.88	-16.24
	-17.59	-0.60	-10.64	-14.75	11.77
	18.77	1.11	-1.88	1.44	20.94
	13.73	9.54	-11.00	11.24	3.66
$\sigma_S(p)$	17.97	0.60	-3.37	15.27	-4.59
	-17.11	-0.06	-17.00	-5.68	-27.94
	18.50	1.21	-12.05	8.92	2.92
	15.16	4.76	-4.81	5.56	-5.15
$\mu_S(kw)$	18.40	-1.65	2.67	-5.84	-15.54
	-17.62	-1.20	4.32	-14.92	28.23
	17.96	-3.39	12.32	-5.06	15.95
	14.68	2.62	8.88	-6.82	19.88
$\sigma_S(kw)$	18.46	1.05	-3.28	11.81	4.39
	-17.81	-1.06	-11.80	3.23	-10.00
	18.76	0.36	-11.10	7.76	-4.42
	15.29	5.29	-5.10	2.18	-6.20
$\mu_S(sw)$	10.26	-3.48	12.70	-40.11	-8.21
	-10.78	-2.28	45.22	-11.25	-14.26
	6.55	-11.95	33.44	-14.67	-0.37
	9.75	-9.04	21.79	-23.42	3.23
$\sigma_S(sw)$	15.74	3.51	-0.82	-7.26	42.73
	-15.09	-6.66	7.83	44.55	6.85
	14.99	-2.46	1.72	-5.44	-43.82
	14.15	11.22	-2.53	-7.98	-11.29
λ	50.05	22.38	10.82	9.98	4.57
	58.47	24.99	10.21	4.64	1.30
	45.33	21.60	13.10	10.87	6.46
	58.85	18.54	11.88	8.21	1.78

TABLE S442. PCA formation TAG: 12

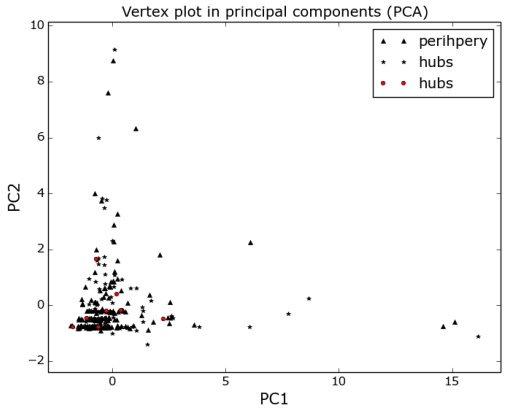

FIG. S11. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	3.34	12.56	1.32	4.32	-56.78
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	-3.79	-22.15	16.61	-15.20	5.17
(h.)	6.66	-18.34	-4.76	13.90	-28.07
d	4.53	27.01	-7.86	-3.52	7.92
	0.00	0.00	0.00	0.00	0.00
	-3.98	-27.88	8.22	3.19	13.22
	-10.37	12.52	16.79	-1.04	-10.66
s	4.15	26.25	-8.50	-4.33	14.72
	0.00	0.00	0.00	0.00	0.00
	-2.78	-22.66	-8.69	23.10	-22.04
	-10.47	12.97	14.37	10.93	-14.05
$\mu_S(p)$	14.99	-9.01	-18.71	7.40	-1.60
	-18.05	22.62	8.54	7.86	28.26
	18.63	-1.57	12.63	-1.08	-10.22
	12.98	11.98	-5.03	-11.53	-13.95
$\sigma_S(p)$	18.08	-3.90	7.71	-18.18	-1.18
	-20.80	-8.19	-20.57	-9.82	18.44
	20.36	-1.00	6.19	4.40	3.37
	10.81	13.68	-7.20	23.33	1.77
$\mu_S(kw)$	16.18	-8.11	-16.85	9.43	-0.92
	-19.19	20.31	10.66	4.35	-28.65
	19.40	-4.80	-2.04	-11.08	-11.48
	14.40	4.45	6.86	-20.68	-11.00
$\sigma_S(kw)$	19.12	-2.31	9.96	-14.74	-0.37
	-21.70	-11.12	-16.84	-3.74	-18.65
	20.62	-1.44	0.09	6.15	9.57
	13.50	11.53	-2.12	10.34	6.55
$\mu_S(sw)$	9.20	4.15	10.91	24.44	9.74
	-9.71	-14.37	27.63	-35.69	2.93
	1.24	-10.63	-20.95	-27.90	-6.82
	7.77	-10.31	24.64	7.79	3.91
$\sigma_S(sw)$	10.41	6.69	18.18	13.63	6.77
	-10.55	-23.38	15.77	38.54	3.07
	9.19	-7.88	-24.57	7.91	18.11
	13.05	-4.23	18.22	0.47	10.04
λ	28.36	23.12	16.90	13.82	9.81
	42.13	25.76	20.86	7.52	2.55
	40.76	22.19	18.79	10.45	3.29
	48.30	26.62	15.70	4.83	2.73

TABLE S443. PCA formation TAG: 13

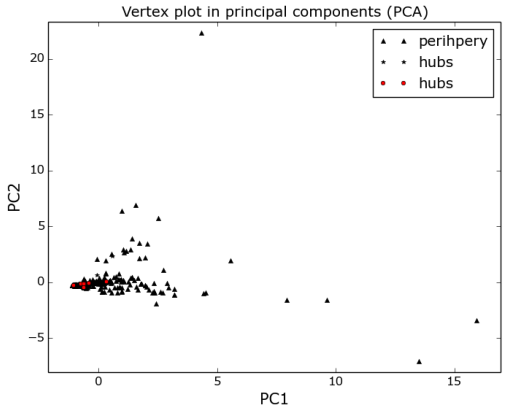

FIG. S12. First two principal components.

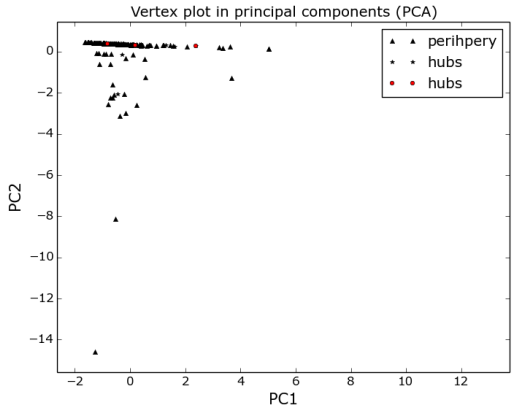

FIG. S13. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-1.06	-8.59	-1.17	5.08	68.03
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	-1.14	-12.48	2.29	58.43	4.38
(h.)	6.93	-10.07	56.15	2.02	0.72
d	-5.40	-24.78	-4.47	9.73	-12.42
	0.00	0.00	0.00	0.00	0.00
	-6.51	-26.62	-5.08	-13.11	6.08
	-1.23	31.89	8.52	-2.98	1.32
s	-5.38	-24.73	-4.42	10.06	-12.24
	0.00	0.00	0.00	0.00	0.00
	-6.52	-26.72	-5.18	-12.35	5.46
	-0.82	31.68	10.97	-6.49	-0.16
$\mu_S(p)$	-15.48	10.49	-15.66	9.29	0.74
	-19.83	15.09	14.02	-15.71	14.09
	-15.70	9.25	-12.54	2.80	8.88
	-15.24	7.08	2.78	11.51	-13.29
$\sigma_S(p)$	-15.33	5.64	17.89	11.41	-1.20
	-17.53	-21.58	10.26	14.77	30.35
	-16.38	3.78	-12.99	1.00	-6.76
	-13.98	1.85	3.75	35.25	9.55
$\mu_S(kw)$	-16.49	9.13	-16.54	4.07	1.05
	-19.98	16.90	10.56	-8.49	-12.20
	-16.24	8.79	4.25	1.67	14.09
	-15.43	-4.44	7.43	-10.09	-14.77
$\sigma_S(kw)$	-17.08	2.49	17.99	3.50	-0.02
	-18.61	-21.47	3.07	2.33	-34.23
	-17.18	4.58	-5.95	3.63	-7.96
	-15.42	-3.64	5.10	-12.03	25.28
$\mu_S(sw)$	-12.24	-4.04	-11.34	-24.37	1.14
	-14.11	16.17	-25.98	31.70	-0.88
	-8.84	1.10	32.79	-6.46	16.31
	-15.41	-5.97	4.14	-7.37	-20.42
$\sigma_S(sw)$	-11.53	-10.11	10.53	-22.49	3.16
	-9.95	-8.78	-36.11	-26.99	8.25
	-11.47	-6.67	18.93	0.54	-30.08
	-15.54	-3.37	1.16	-12.26	14.50
λ	35.30	24.34	13.88	12.46	10.44
	50.35	24.49	21.90	2.62	0.46
	45.72	22.57	12.38	10.06	6.71
	63.22	23.96	8.69	3.63	0.37

TABLE S444. PCA formation TAG: 15

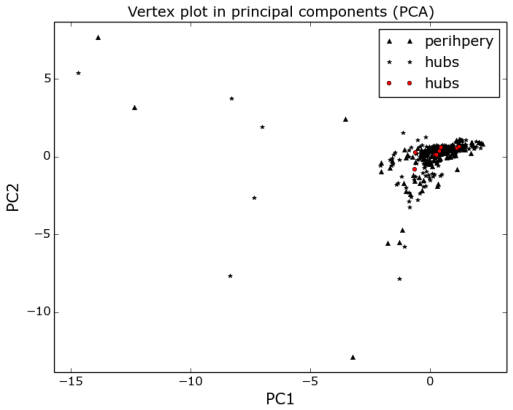

FIG. S14. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-3.14	-11.18	-1.23	3.30	62.65
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	0.89	19.71	12.07	-43.29	-11.85
(h.)	-2.75	20.44	15.25	-22.13	-20.16
d	-5.14	-30.92	-1.84	-5.73	-10.11
	0.00	0.00	0.00	0.00	0.00
	2.53	29.79	5.61	15.22	4.67
	10.64	4.20	-23.04	-6.15	0.44
s	-4.52	-31.02	-1.47	-6.02	-11.20
	0.00	0.00	0.00	0.00	0.00
	0.84	29.81	5.12	17.71	1.18
	9.94	11.27	-20.27	-2.75	-13.29
$\mu_S(p)$	17.88	-1.01	8.91	-17.81	4.76
	20.02	14.05	-18.28	23.54	-30.54
	-20.88	-0.76	6.58	2.12	-3.91
	8.59	-19.59	8.11	-19.71	0.01
$\sigma_S(p)$	19.03	-5.05	-17.23	7.29	-0.45
	21.54	-20.19	4.15	-8.15	-7.13
	-20.85	0.59	6.51	1.58	-1.14
	14.52	-11.90	-0.84	-7.52	-9.26
$\mu_S(kw)$	19.90	-2.67	9.15	-11.95	3.62
	22.70	12.76	-10.96	3.81	42.06
	-21.08	-0.05	2.09	2.29	-5.20
	14.19	8.55	7.86	-8.37	23.75
$\sigma_S(kw)$	18.64	-5.05	-16.91	10.20	-1.57
	21.08	-20.45	7.19	-10.45	-4.27
	-21.08	0.40	2.67	-0.55	5.11
	14.80	-5.64	5.15	2.23	-2.71
$\mu_S(sw)$	7.32	-5.05	31.14	4.91	0.01
	9.60	28.67	16.00	-29.72	-12.32
	-4.33	8.70	-32.01	2.58	-33.22
	11.51	18.05	7.14	7.02	12.46
$\sigma_S(sw)$	4.44	-8.05	12.13	32.78	-5.63
	5.07	3.88	43.43	24.33	3.68
	-7.51	10.19	-27.35	-14.67	33.72
	13.07	-0.37	12.35	24.12	-17.92
λ	33.10	22.11	15.54	12.92	10.27
	46.50	25.23	20.38	5.37	2.24
	45.00	22.71	14.53	8.44	6.07
	48.17	21.07	16.96	5.07	3.80

TABLE S445. PCA formation TAG: 16

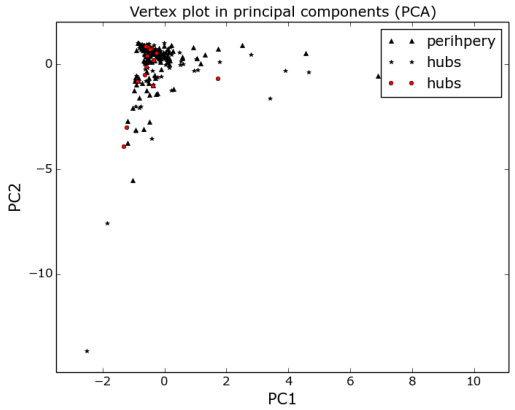

FIG. S15. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	2.26	-0.63	3.14	-77.71	-1.06
(p.)	-3.87	-19.31	-2.94	45.07	-8.46
(i.)	6.42	-13.69	-2.79	-44.73	-10.93
(h.)	1.15	-14.54	9.38	-43.91	3.30
d	-8.04	22.80	-11.36	-5.01	3.59
	-0.02	-33.94	-3.56	-4.69	4.26
	-7.15	18.52	14.09	-12.60	5.15
	-1.46	12.41	-19.60	-13.36	-7.75
s	-7.55	22.52	-13.14	-2.82	6.34
	1.14	-31.57	-1.87	-20.41	8.00
	-8.51	17.86	9.14	-21.09	2.51
	-0.17	9.66	-21.54	-18.35	10.34
$\mu_S(p)$	-15.05	-12.68	-5.19	-0.10	8.11
	18.60	3.36	-9.97	5.41	7.30
	-15.37	-9.77	7.18	1.36	4.73
	-21.10	-6.77	-3.14	0.40	7.56
$\sigma_S(p)$	-14.52	-10.23	-11.95	-5.39	-3.06
	18.23	0.26	-14.25	-0.40	1.26
	-14.70	-10.32	9.50	-0.46	4.93
	-18.52	-10.12	-7.38	3.35	-9.52
$\mu_S(kw)$	-15.64	-4.87	9.68	-0.87	18.04
	18.08	1.03	6.47	9.90	14.59
	-15.79	-5.77	-9.30	-4.34	8.91
	-18.37	9.23	7.90	-0.68	24.36
$\sigma_S(kw)$	-16.22	-7.89	-5.84	-4.06	-9.97
	18.77	-0.86	-9.77	-0.58	-6.30
	-15.95	-7.98	2.12	2.42	-11.82
	-20.34	-7.37	-6.32	4.25	-6.51
$\mu_S(sw)$	-8.59	9.66	25.11	1.02	15.80
	8.65	-3.30	36.28	5.04	13.33
	-5.13	4.93	-29.14	-8.98	20.77
	-6.74	16.47	13.15	-3.40	4.63
$\sigma_S(sw)$	-12.13	8.72	14.59	3.02	-34.04
	12.64	-6.37	14.89	-8.50	-36.51
	-10.99	11.18	-16.75	4.01	-30.24
	-12.15	13.44	11.58	-12.29	-26.02
λ	45.49	21.44	14.18	10.98	4.53
	45.57	22.32	12.18	9.40	6.77
	46.47	22.43	16.91	8.26	2.92
	37.24	30.48	22.76	5.82	1.65

TABLE S446. PCA formation TAG: 17

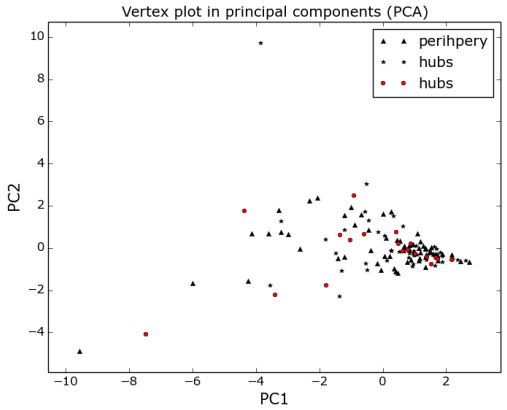

FIG. S16. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	2.94	9.38	15.24	18.55	35.11
(p.)	-4.04	-15.20	-11.84	8.74	-33.35
(i.)	-0.68	11.18	-12.20	-47.94	-4.82
(h.)	-11.74	10.14	-15.19	-39.16	3.09
d	4.67	23.73	-12.64	-0.49	2.75
	-11.22	-17.79	-1.40	-13.28	4.55
	5.89	-30.88	5.01	-8.13	-6.99
	7.59	-25.58	-1.84	-5.71	-12.94
s	4.00	22.51	-15.59	-2.07	1.35
	-10.51	-16.83	-0.67	-18.10	9.64
	2.31	-32.20	3.41	-11.16	-4.13
	4.73	-28.69	2.36	-18.10	13.90
$\mu_S(p)$	-19.02	-4.54	-11.41	4.06	5.79
	17.55	0.36	-9.95	-9.41	2.87
	19.57	1.01	-12.08	7.03	-2.78
	12.87	5.38	-14.98	0.16	14.78
$\sigma_S(p)$	-16.81	7.33	7.15	-17.67	9.64
	14.37	-8.15	16.79	-6.68	-9.99
	19.97	-0.86	-12.50	4.78	1.79
	12.08	0.82	-24.27	-0.83	-18.48
$\mu_S(kw)$	-19.01	-3.71	-10.92	8.95	2.64
	17.06	-1.67	-12.94	-7.41	5.46
	19.71	8.25	5.70	0.47	-14.50
	12.38	10.10	13.99	-9.94	-7.26
$\sigma_S(kw)$	-16.93	8.60	9.36	-15.86	3.40
	13.88	-10.29	17.09	-3.78	-7.42
	19.84	0.41	2.35	-5.53	17.19
	13.30	5.51	-6.10	0.62	-2.04
$\mu_S(sw)$	-12.70	4.22	-0.01	26.81	-11.86
	9.18	-12.98	-19.15	9.26	8.87
	5.86	11.42	23.23	-2.95	-23.59
	11.90	8.76	19.90	-21.72	-5.93
$\sigma_S(sw)$	-3.93	15.99	17.68	5.54	-27.45
	2.19	-16.72	10.17	23.34	17.85
	6.17	3.78	23.53	-12.01	24.20
	13.41	5.02	-1.38	3.76	21.58
λ	36.01	23.87	15.65	13.88	7.57
	39.60	26.52	15.65	8.38	7.10
	37.57	21.89	19.82	9.56	7.25
	70.22	21.32	6.53	1.33	0.38

TABLE S447. PCA formation TAG: 18

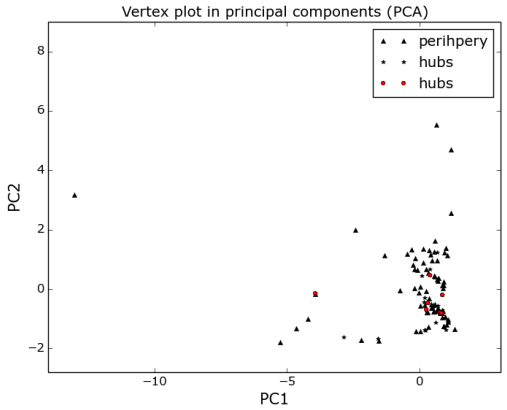

FIG. S17. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	2.00	8.67	26.24	-30.91	-0.66
(p.)	-2.06	-14.42	-56.50	0.46	3.19
(i.)	9.62	-7.63	-1.26	-47.10	-6.71
(h.)	-5.44	-26.53	26.08	21.47	1.88
d	0.98	28.77	-10.30	-3.87	1.34
	-7.44	-26.56	9.98	5.01	-3.57
	-5.37	21.17	-14.98	0.30	-7.80
	-6.47	28.32	-4.38	26.05	18.10
s	0.85	28.29	-12.14	-3.11	1.56
	-6.71	-25.94	15.84	8.35	-8.12
	-5.36	20.85	-14.94	-10.68	-4.97
	-6.30	27.83	22.50	-3.32	-20.13
$\mu_S(p)$	-18.08	-5.82	-8.15	-10.23	-6.95
	15.94	-2.49	0.24	8.04	-9.48
	-14.15	2.57	17.43	-5.09	-11.60
	13.83	-0.51	-5.61	13.01	-4.80
$\sigma_S(p)$	-17.48	-3.22	-5.32	-6.78	-23.09
	15.48	-2.72	-1.59	-4.27	-17.24
	-15.52	5.91	12.62	-15.13	6.85
	13.16	0.93	-8.48	16.20	-25.59
$\mu_S(kw)$	-17.07	-2.98	-2.86	-4.75	29.25
	13.97	-3.22	2.52	20.16	18.03
	-16.25	-10.73	1.52	6.23	-15.20
	13.80	4.50	10.79	-3.68	2.37
$\sigma_S(kw)$	-18.66	0.44	-3.25	-5.62	9.57
	15.66	-2.53	-1.32	13.05	2.73
	-18.00	-1.65	-2.46	-9.20	13.12
	14.01	-0.16	0.94	5.13	5.08
$\mu_S(sw)$	-10.88	10.26	20.14	20.98	9.62
	9.07	-14.59	10.33	-22.20	24.77
	-5.96	-17.16	-17.10	2.25	-16.34
	13.09	8.40	15.45	-6.37	8.44
$\sigma_S(sw)$	-14.02	11.54	11.61	13.76	-17.97
	13.68	-7.51	-1.68	-18.46	-12.86
	-9.77	-12.34	-17.68	-4.03	17.41
	13.91	2.81	5.77	-4.77	13.61
λ	43.79	23.94	12.97	8.55	6.16
	49.70	21.17	9.82	8.10	6.85
	36.93	23.62	19.60	9.02	5.77
	67.24	20.35	6.08	3.77	1.92

TABLE S448. PCA formation TAG: 19

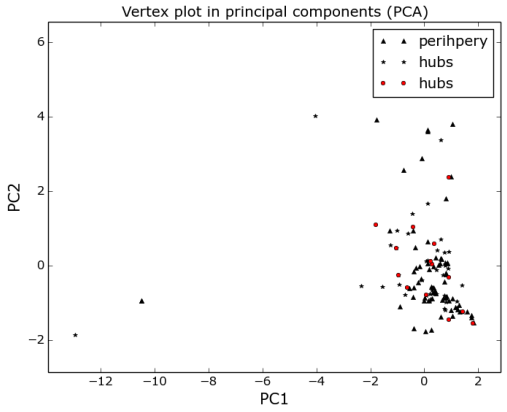

FIG. S18. First two principal components.

2. Snapshots of 2000 messages

	PC1	PC2	PC3	PC4	PC5
cc	-0.60	-2.33	-20.29	-40.20	2.23
(p.)	0.47	25.46	-2.29	-2.36	-44.98
(i.)	4.48	-15.41	36.04	-20.17	-1.41
(h.)	3.16	-19.11	-4.16	-28.58	18.48
d	2.23	-34.65	-5.28	4.28	0.18
	-3.54	30.33	1.86	-2.36	19.55
	2.02	33.02	3.35	-6.85	-0.03
	-8.60	12.81	-25.82	2.65	-3.55
s	2.02	-34.45	-5.23	6.75	3.67
	-2.76	30.80	1.14	-0.27	17.79
	2.48	32.10	5.24	-11.48	-1.15
	-12.08	4.19	-24.11	-11.28	4.51
$\mu_S(p)$	16.01	6.38	-8.18	6.12	30.19
	-12.82	-1.04	-25.76	-14.14	-1.44
	-15.35	-2.70	-7.61	-10.52	-31.72
	-11.91	-14.43	0.24	-8.59	-29.84
$\sigma_S(p)$	16.59	7.00	-12.80	9.49	2.86
	-11.21	-1.67	-30.58	8.78	4.32
	-15.85	-2.81	-8.16	-12.39	-2.26
	-6.20	-21.63	-5.84	14.03	-9.29
$\mu_S(kw)$	16.03	-2.26	14.47	-9.60	15.18
	-17.35	-4.36	6.84	-19.82	-2.81
	-16.08	3.88	8.99	6.42	-10.48
	-16.09	4.40	9.29	-3.25	6.41
$\sigma_S(kw)$	17.33	4.11	-8.89	4.86	-16.50
	-17.43	1.05	2.20	21.08	-3.62
	-16.17	-0.70	-3.06	-8.42	20.93
	-11.85	-12.44	-2.80	20.90	23.96
$\mu_S(sw)$	11.95	-8.29	24.13	-16.81	-1.55
	-17.32	-4.01	16.82	-13.55	1.05
	-11.33	8.15	23.43	23.36	-6.42
	-14.38	8.52	14.09	-8.69	1.44
$\sigma_S(sw)$	17.23	-0.53	-0.73	-1.88	-27.63
	-17.10	-1.29	12.49	17.65	-4.44
	-16.25	1.23	4.12	-0.40	25.61
	-15.74	2.47	13.64	-2.01	2.52
λ	49.32	21.94	11.69	10.90	3.98
	35.56	25.11	14.90	11.48	6.39
	56.11	22.97	9.75	7.86	2.11
	48.28	26.23	13.97	7.40	3.65

TABLE S449. PCA formation TAG: 0

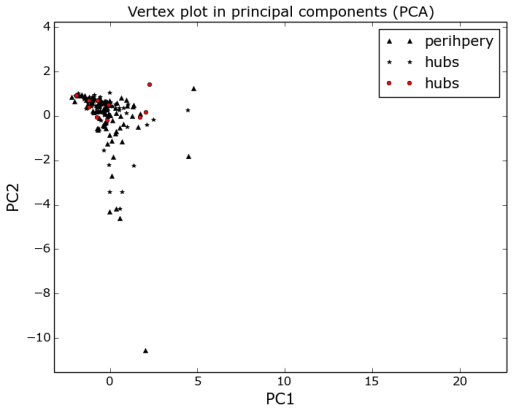

FIG. S19. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	0.70	9.32	-65.09	-5.00	0.72
(p.)	5.11	18.25	-2.89	-53.38	4.99
(i.)	-1.64	5.37	-73.09	-4.28	-0.85
(h.)	-11.98	13.91	1.11	-31.09	-14.89
d	-3.41	35.61	8.04	-0.82	3.49
	0.69	36.01	0.40	13.23	-0.75
	-0.02	-39.26	-2.49	-5.15	3.21
	12.39	-0.76	-23.52	2.31	-5.22
s	-3.06	35.66	8.97	-0.59	3.62
	0.82	35.83	-0.14	14.62	0.05
	-0.29	-39.22	-6.57	-1.56	2.12
	11.60	0.57	-24.51	-5.54	-4.42
$\mu_S(p)$	-15.25	-4.07	-2.77	18.77	12.66
	-13.04	0.49	27.51	-5.85	-4.69
	17.03	1.34	-3.64	7.43	13.94
	-14.46	-0.49	-13.23	7.48	-18.43
$\sigma_S(p)$	-14.16	2.75	-4.58	24.93	-24.53
	-15.76	2.91	15.48	-6.88	-25.61
	14.65	-5.58	-6.15	34.13	-17.62
	-13.13	12.62	-13.67	-3.53	16.13
$\mu_S(kw)$	-16.10	-6.26	-1.91	1.34	24.93
	-15.06	0.49	7.78	0.97	39.53
	17.12	3.20	-1.07	-4.64	22.54
	-14.07	-13.35	-3.00	18.00	-12.00
$\sigma_S(kw)$	-16.69	-1.05	-2.92	2.50	-5.55
	-17.50	4.95	-2.94	-0.54	0.81
	16.70	-2.00	-1.99	4.30	6.43
	-15.51	3.27	-11.07	6.11	17.62
$\mu_S(sw)$	-16.03	-3.64	1.89	-20.14	5.91
	-16.64	-0.48	-19.11	-1.63	7.59
	16.55	3.02	2.90	-18.66	1.82
	-4.89	-28.23	2.22	-7.43	-1.42
$\sigma_S(sw)$	-14.60	-1.64	3.82	-25.92	-18.60
	-15.38	0.57	-23.75	-2.92	-15.99
	16.00	-1.01	2.09	-19.85	-31.48
	-1.98	-26.80	-7.66	-18.51	9.87
λ	48.93	22.27	10.77	8.25	4.63
	38.70	23.63	12.58	8.93	7.65
	56.89	22.16	11.01	4.99	2.10
	42.87	25.01	17.50	5.73	4.19

TABLE S450. PCA formation TAG: 2

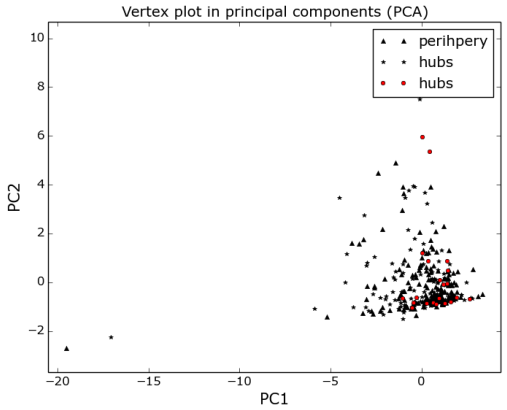

FIG. S20. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-0.26	3.25	0.70	52.94	15.79
(p.)	1.31	22.61	-4.43	-12.00	-29.98
(i.)	3.45	18.25	32.55	9.75	-17.30
(h.)	10.34	-17.50	-3.13	0.08	22.13
d	1.97	-38.82	-3.32	1.73	2.62
	2.10	24.79	-3.54	-5.03	-8.23
	-4.13	-22.26	-2.54	8.43	-39.99
	-11.38	15.62	-7.80	-9.91	12.24
s	1.81	-38.80	-3.95	0.30	2.94
	2.45	21.55	-2.68	-3.09	45.06
	-4.52	-19.71	14.86	20.92	27.10
	-11.48	15.57	-7.53	-9.64	11.39
$\mu_S(p)$	16.92	3.70	4.39	-11.57	21.73
	16.30	-8.16	4.81	-20.55	3.81
	-15.82	2.32	4.30	-5.25	2.23
	15.18	5.91	3.16	-21.23	-17.64
$\sigma_S(p)$	14.86	-2.26	24.79	-2.64	0.94
	15.96	0.42	22.12	-3.91	0.20
	-12.67	-10.42	14.98	-17.76	2.50
	16.15	6.70	3.83	-4.88	16.78
$\mu_S(kw)$	16.75	5.52	-16.57	-7.59	15.34
	15.71	-8.31	-18.45	-13.50	2.75
	-15.38	7.35	-3.08	5.36	-1.33
	12.05	2.19	-25.33	-12.90	-2.71
$\sigma_S(kw)$	17.67	-1.88	16.02	4.98	-9.32
	18.49	3.14	14.21	9.46	-4.75
	-15.42	-1.85	8.12	-11.29	-2.41
	13.88	12.30	5.30	9.48	8.64
$\mu_S(sw)$	14.08	5.03	-25.22	1.34	-6.75
	12.71	-3.63	-26.98	7.73	-1.64
	-14.30	8.57	-11.09	11.37	-4.49
	-1.48	-7.96	-34.86	5.89	-1.97
$\sigma_S(sw)$	15.69	-0.73	-5.04	16.92	-24.56
	14.97	7.38	-2.79	24.74	-3.57
	-14.30	9.27	-8.50	9.89	2.63
	8.05	16.27	-9.06	26.00	-6.49
λ	42.48	22.36	12.77	11.93	6.44
	36.78	27.09	14.33	9.29	5.62
	55.73	25.91	7.25	6.28	2.91
	47.40	29.92	16.59	5.26	0.82

TABLE S451. PCA formation TAG: 3

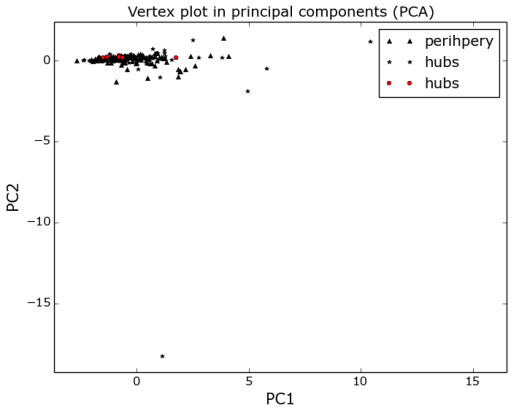

FIG. S21. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	0.72	6.83	9.90	-38.74	-14.85
(p.)	-4.21	-12.20	-9.06	8.30	-49.22
(i.)	2.08	-1.97	-18.43	29.43	-18.21
(h.)	7.77	-2.53	11.55	-35.42	16.98
d	-8.50	25.79	-5.26	5.76	-5.30
	-3.98	-22.08	-9.17	5.33	12.50
	-4.31	26.53	-10.40	-7.60	-3.35
	-10.88	18.95	-11.42	-2.87	-0.65
s	-8.44	25.49	-6.49	6.49	-5.54
	-1.95	-20.85	-11.19	4.67	22.45
	-5.40	27.18	-6.59	-5.88	-4.41
	-11.78	17.85	-11.04	-12.64	3.16
$\mu_S(p)$	-12.02	-5.91	18.23	12.99	-12.56
	9.82	-9.77	22.78	13.89	0.81
	-13.69	-13.15	-6.70	-15.11	-14.56
	-1.30	-18.82	-11.98	-15.98	-21.73
$\sigma_S(p)$	-13.68	5.03	14.36	-2.99	17.11
	10.67	-14.04	13.12	-17.98	-7.50
	-14.32	-2.32	-15.80	0.85	18.37
	-1.71	-10.73	-21.97	-7.68	1.73
$\mu_S(kw)$	-15.47	-11.71	4.04	7.28	-13.83
	17.92	0.68	4.07	18.49	1.38
	-16.83	-9.83	-0.95	-8.19	-10.79
	-15.24	-16.25	5.96	6.49	-3.70
$\sigma_S(kw)$	-15.80	-1.18	5.55	-10.05	15.26
	16.50	-8.92	-1.72	-15.34	-4.87
	-15.87	-4.66	-6.28	10.72	15.57
	-13.42	-12.19	-5.80	6.14	36.14
$\mu_S(sw)$	-12.47	-12.37	-17.54	-3.97	-9.05
	17.63	8.04	-12.74	9.15	-0.22
	-15.43	4.15	16.56	5.84	-11.15
	-19.01	1.81	9.47	-8.74	-9.25
$\sigma_S(sw)$	-12.89	-5.69	-18.65	-11.73	6.49
	17.32	3.42	-16.16	-6.85	1.03
	-12.06	10.22	18.28	16.39	3.58
	-18.90	-0.87	10.79	-4.04	-6.65
λ	38.08	21.23	16.11	11.00	8.06
	34.26	25.92	14.08	10.44	8.86
	39.61	22.70	13.68	11.64	7.05
	32.28	24.54	20.54	10.03	6.74

TABLE S452. PCA formation TAG: 7

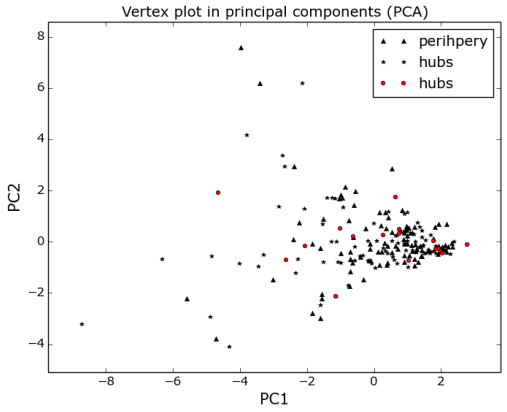

FIG. S22. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-7.04	-5.99	-4.83	-34.62	21.37
(p.)	-2.04	-3.29	-7.10	71.83	1.38
(i.)	-7.82	-12.95	-4.61	29.12	25.04
(h.)	2.35	-16.95	-5.64	-49.09	6.65
d	-10.93	-11.90	-19.35	8.02	-0.55
	-5.56	-10.90	-23.82	-7.89	-0.23
	-8.46	17.99	-16.53	-0.22	6.53
	0.85	24.43	8.39	-14.80	1.04
s	-10.56	-11.65	-19.63	10.19	-1.02
	-3.89	-11.25	-23.70	-13.72	-2.90
	-8.73	17.84	-16.54	-0.69	3.16
	1.41	24.00	7.51	-20.07	-4.21
$\mu_S(p)$	-9.00	16.81	0.15	13.57	19.50
	15.73	8.21	-6.68	2.08	-26.10
	-12.22	5.83	17.70	-6.88	9.89
	-15.00	8.59	-10.20	1.32	35.57
$\sigma_S(p)$	-13.44	-3.36	15.35	12.40	15.84
	14.08	-13.11	5.08	2.80	-20.80
	-10.41	10.56	19.65	5.35	3.40
	-12.80	7.22	-20.14	0.30	-9.34
$\mu_S(kw)$	-9.58	20.02	-7.08	-3.28	-4.96
	15.71	11.86	-12.05	-0.28	7.31
	-13.36	-10.63	-1.55	-22.48	6.74
	-18.91	-3.17	7.14	1.68	8.62
$\sigma_S(kw)$	-15.89	-5.51	14.16	0.05	-5.56
	14.98	-15.22	5.21	-0.09	4.93
	-15.06	1.52	7.37	7.25	-14.65
	-16.59	3.11	-11.51	-7.07	-26.18
$\mu_S(sw)$	-9.37	18.52	-7.97	-9.10	-11.74
	15.00	11.65	-10.96	-0.04	16.31
	-11.63	-15.53	-9.48	-14.42	3.01
	-15.25	-8.11	15.94	0.03	-5.92
$\sigma_S(sw)$	-14.19	-6.23	11.48	-8.78	-19.46
	13.01	-14.51	5.40	-1.26	20.03
	-12.31	-7.16	-6.56	13.58	-27.58
	-16.84	-4.42	13.54	-5.64	-2.47
λ	35.46	25.86	17.44	10.35	7.52
	31.65	27.01	19.55	10.65	7.39
	43.69	18.64	16.78	8.23	7.31
	41.96	26.92	16.55	7.62	4.29

TABLE S453. PCA formation TAG: 8

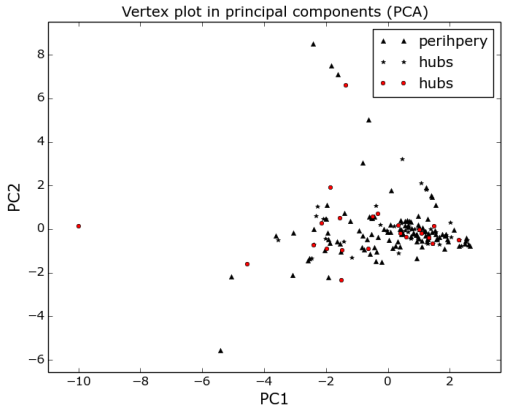

FIG. S23. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-1.36	-9.18	-12.16	60.26	-1.19
(p.)	1.27	14.46	-18.04	-49.60	1.76
(i.)	-0.38	5.43	15.44	-21.95	-26.26
(h.)	9.50	-22.70	7.58	12.86	20.70
d	-2.02	-27.07	15.37	-1.93	-2.34
	1.46	33.31	-1.12	13.67	-1.06
	0.14	-25.81	-5.89	-9.88	5.65
	-10.83	-5.33	-22.31	-0.33	4.28
s	-1.91	-26.77	16.06	-1.50	-4.45
	1.55	33.33	-3.83	11.90	-3.90
	-1.17	-24.36	-4.19	-15.39	1.55
	-9.84	-8.32	-23.72	-0.84	0.30
$\mu_S(p)$	23.12	-0.68	0.89	1.68	-2.89
	-23.38	1.06	0.27	-0.50	-2.43
	14.77	11.81	-7.60	-18.68	10.31
	8.93	22.45	-6.79	-17.44	24.91
$\sigma_S(p)$	23.05	-1.25	1.56	1.18	4.11
	-23.32	2.28	-0.04	0.00	2.73
	12.63	3.01	-22.27	0.66	-16.57
	6.15	21.99	-7.11	27.74	-6.12
$\mu_S(kw)$	22.32	-3.08	-4.43	-2.10	-9.27
	-22.80	-1.36	-4.53	0.08	-8.10
	20.69	5.78	6.11	-8.09	13.04
	13.38	-8.85	-6.29	-13.71	-5.94
$\sigma_S(kw)$	23.00	-2.22	0.27	0.18	6.15
	-23.28	2.19	-1.56	0.71	4.48
	20.11	-4.47	-9.11	9.07	-10.05
	13.43	-5.12	-11.62	9.41	-6.19
$\mu_S(sw)$	-2.04	-12.82	-26.76	-17.08	-32.74
	2.38	-7.51	-35.03	9.83	-37.88
	17.24	-3.76	16.98	4.16	6.42
	14.11	-1.20	-3.36	-12.03	-21.68
$\sigma_S(sw)$	-1.19	-16.93	-22.50	-14.09	36.88
	0.58	-4.49	-35.59	13.71	37.67
	12.86	-15.57	12.40	12.13	-10.15
	13.82	-4.03	-11.22	5.64	9.87
λ	43.21	24.34	15.97	10.02	5.41
	43.57	23.64	16.52	9.03	6.37
	32.88	23.72	16.22	13.02	8.11
	57.94	16.47	15.33	8.90	0.78

TABLE S454. PCA formation TAG: 10

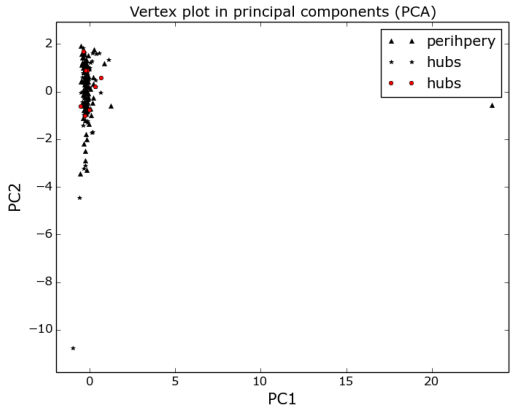

FIG. S24. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-9.30	-1.59	-12.70	-47.85	0.69
(p.)	-10.37	-15.09	0.47	-13.08	35.48
(i.)	-2.09	12.66	20.11	-34.26	-4.69
(h.)	9.25	-5.21	25.56	14.04	2.27
d	-4.33	37.49	-0.60	-1.55	-2.82
	-10.11	-18.23	-7.83	1.08	-18.02
	-6.17	-29.21	-1.06	-9.30	-7.18
	-10.42	12.57	-18.93	-1.82	-6.66
s	-3.42	37.90	-1.48	2.92	-1.56
	-9.70	-19.32	-7.01	5.66	-12.06
	-7.19	-28.19	4.38	-8.85	5.69
	-6.77	10.48	-4.49	42.52	10.89
$\mu_S(p)$	-11.18	-5.70	24.97	-5.45	-17.45
	-9.86	11.98	-18.05	-18.40	-4.37
	-5.85	2.60	-30.70	-6.53	-10.27
	7.05	-17.19	-15.10	7.47	-0.45
$\sigma_S(p)$	-10.77	1.92	27.71	-5.24	5.25
	-9.30	11.76	-23.28	2.85	0.86
	-10.89	8.55	-22.33	-16.63	8.60
	6.76	-18.64	-11.37	6.89	-3.06
$\mu_S(kw)$	-16.00	-4.59	-6.59	8.95	-14.63
	-13.08	7.61	12.01	-10.89	-4.47
	-17.96	-1.97	0.90	6.78	-4.25
	16.75	3.01	-10.08	-2.03	34.50
$\sigma_S(kw)$	-15.21	-1.56	1.11	7.72	27.25
	-12.70	7.89	0.07	23.64	12.12
	-15.96	3.25	5.79	5.42	32.00
	16.71	4.01	-7.02	11.58	-30.59
$\mu_S(sw)$	-14.08	-5.12	-16.45	12.67	-17.02
	-11.52	4.04	21.31	-10.41	-11.96
	-16.51	4.88	9.58	10.29	-23.11
	12.98	14.34	-3.58	-11.47	3.59
$\sigma_S(sw)$	-15.70	-4.14	-8.39	7.64	13.31
	-13.36	4.08	9.97	13.99	0.66
	-17.38	8.69	5.14	1.94	-4.21
	13.31	14.55	3.88	2.16	-7.97
λ	47.11	20.65	14.72	7.96	4.98
	55.25	20.49	13.20	5.24	3.03
	39.92	20.31	18.58	8.43	5.72
	42.23	31.89	16.38	8.95	0.54

TABLE S455. PCA formation TAG: 11

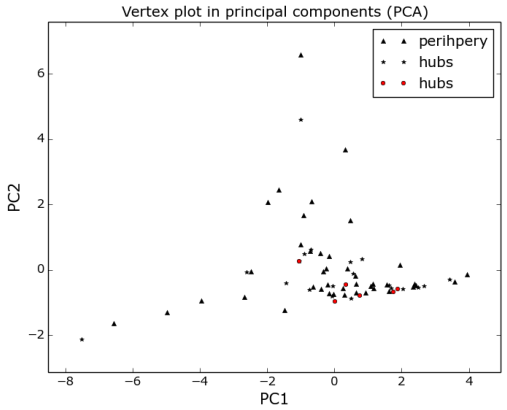

FIG. S25. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	1.25	12.09	12.09	44.89	6.56
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	-1.04	-14.60	-9.78	-29.83	19.40
(h.)	2.49	-59.01	16.74	-1.68	-1.90
d	10.70	23.27	-2.73	-7.18	-7.98
	0.00	0.00	0.00	0.00	0.00
	-6.35	-26.79	5.79	2.70	-8.11
	-12.33	3.14	1.71	19.55	-12.29
s	10.77	23.27	-2.78	-7.07	-7.44
	0.00	0.00	0.00	0.00	0.00
	-6.92	-26.43	6.23	5.32	-6.59
	-12.36	-0.74	8.38	17.10	-15.21
$\mu_S(p)$	10.75	-10.21	21.57	-0.64	-11.78
	-13.84	-25.47	2.88	-30.34	-21.61
	-14.11	5.41	-17.76	-5.55	-12.18
	-10.52	-22.84	-39.25	1.81	4.01
$\sigma_S(p)$	12.57	-2.22	19.64	-9.77	9.87
	-16.43	-22.09	9.13	3.84	32.85
	-12.71	-3.74	-19.57	11.72	1.34
	-12.62	-4.17	1.35	6.72	16.09
$\mu_S(kw)$	13.55	-13.27	-1.73	9.04	-15.76
	-18.05	4.66	-45.10	8.15	-7.07
	-16.56	9.31	1.99	-11.91	-10.62
	-12.46	-0.37	-3.73	-16.95	-13.39
$\sigma_S(kw)$	16.32	-4.16	1.96	-4.62	12.85
	-21.03	-2.56	7.80	26.18	-6.47
	-17.43	3.52	-2.76	8.78	13.45
	-12.56	3.64	14.24	3.68	10.74
$\mu_S(sw)$	10.48	-8.73	-21.37	15.50	-8.90
	-14.08	25.71	-3.96	-28.15	18.05
	-11.37	6.67	20.23	-15.11	-8.41
	-12.07	3.00	5.58	-26.37	-8.52
$\sigma_S(sw)$	13.62	-2.78	-16.12	1.28	18.87
	-16.57	19.50	31.14	3.34	-13.96
	-13.51	3.54	15.89	9.07	19.90
	-12.58	3.11	9.00	-6.13	17.84
λ	41.44	19.85	15.03	9.84	6.79
	54.55	25.82	8.69	5.64	3.82
	36.45	22.91	15.21	9.43	8.50
	81.46	12.04	2.92	2.78	0.56

TABLE S456. PCA formation TAG: 15

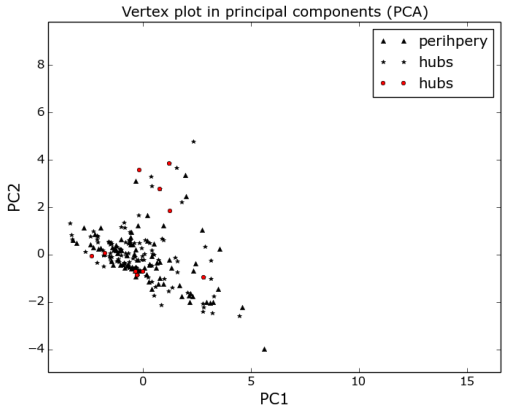

FIG. S26. First two principal components.