

Rough Analysis of v2_marked_and_linked.json

General Information

- Num. Entries: 70
- Tokenizer used: dmis-lab/biobert-v1.1

Definitions:

- Words represent the number of entities that have been considered distinct during the process of assigning tags to part of the text, it is essentially the text split on spaces
- Tokens are the actual pieces of data going into the model, punctuation is split from words and some large words are split down into smaller parts
- Total tags is the total number of tags across all words (If two or more words are part of the same tag this counts as a tag for each word)
- Unique tags is the total number of tags that are unique (not part of same tag)
- Max tags is the most tags a single word has
- Tagged words is the number of words that have at least one tag
- Tagged words % is the percentage of words that are tagged, it's given in brackets for individual entries.
- Avg tags is the average number of tags per word that is tagged
- MC words is the number of words with tags across multiple categories
- Total links is the total number of links across all tags (If two or more tags are linked this counts as a link for each one)
- Unique links is the total number of links that are unique (not part of the same link)
- Max links is the most amount of links a single tag or word has associated with it
- Linked tags, words is the number of tags or words that have links
- Linked % tags, words is the percentage of tags or words with links
- Avg links per tag, word is the average number of links per tag or word
- The schema used is BIES as it is all encompassing and models can convert to a lower resolution if wanted (Beginning, Inner, End, Singleton)

Sizes

- Average words: 213.8
- Maximum words: 290
- Minimum words: 109

- Average tokens: 407.2
- Maximum tokens: 607
- Minimum tokens: 229

- Entries with over 512 tokens: 13/70, 18.57%

Tags

Maximums

- Total tags: 61
- Unique tags: 35

- Max tags: 2
- Tagged words: 61
- Tagged words %: 26.32%
- Avg tags: 1.04
- MC words: 1

Averages

- Total tags: 25.1
- Unique tags: 12.69
- Max tags: 0.97
- Tagged words: 25.04
- Tagged words %: 11.54%
- Avg tags: 0.93
- MC words: 0.03

Links

Maximums

- Total links: 70
- Unique links: 9
- Max links per tag, word: 6, 6
- Linked tags, words: 40, 40
- Linked % tags, words: 100.0%, 17.09%
- Avg links per tag, word: 2.88, 2.88

Averages

- Total links: 17.59
- Unique links: 2.11
- Max links per tag, word: 1.7, 1.7
- Linked tags, words: 12.46, 12.44
- Linked % tags, words: 50.9%, 5.82%
- Avg links per tag, word: 1.23, 1.23

Schema

- Maximums (B, I, E, S): 16, 28, 16, 21
- Averages (B, I, E, S): 5.83, 6.59, 5.83, 6.86

Labels

- Label: Total, Maximum per entry, Average per entry

Categories

- Perturbing_Action: 772, 48, 11.03
- Context: 518, 28, 7.4
- Effect: 201, 11, 2.87
- Phenotype: 266, 12, 3.8

Perturbing_Action

- Gene Loss-Of-Function: 231, 15, 3.3
- Gene Gain-Of-Function: 127, 24, 1.81
- Rnai/Knockdown: 154, 20, 2.2
- Pharmacological Inhibition: 129, 20, 1.84
- Pharmacological Augmentation: 58, 15, 0.83

- Other: 73, 14, 1.04

Context

- Patient: 1, 1, 0.01
- Organism: 75, 9, 1.07
- Tissue/Organ: 28, 4, 0.4
- Neoplasm: 34, 4, 0.49
- Graft: 0, 0, 0.0
- Xenograft: 15, 6, 0.21
- Cells: 163, 15, 2.33
- Transformed Cells: 121, 14, 1.73
- Organoid: 3, 2, 0.04
- In Vitro: 32, 2, 0.46
- In Vivo: 46, 4, 0.66

Effect

- Positive: 76, 5, 1.09
- Negative: 95, 6, 1.36
- Regulates: 1, 1, 0.01
- Rescues: 11, 4, 0.16
- No Effect: 18, 5, 0.26

Phenotype

- Adhesion: 0, 0, 0.0
- Apoptosis: 9, 2, 0.13
- Anoikis: 1, 1, 0.01
- Autophagy: 65, 5, 0.93
- Cell Cycle Arrest: 6, 3, 0.09
- Cell Death: 6, 2, 0.09
- Cell Growth: 2, 2, 0.03
- Cell Survival: 1, 1, 0.01
- Colony Formation: 2, 2, 0.03
- Differentiation: 10, 2, 0.14
- Entosis: 0, 0, 0.0
- Epithelial-Mesenchymal Transition: 4, 4, 0.06
- Ferroptosis: 9, 8, 0.13
- Invasion: 3, 2, 0.04
- Metastasis: 35, 8, 0.5
- Migration: 6, 2, 0.09
- Mitophagy: 4, 2, 0.06
- Necroptosis: 0, 0, 0.0
- Necrosis: 2, 1, 0.03
- Oncosis: 0, 0, 0.0
- Proliferation: 21, 2, 0.3
- Pyroptosis: 0, 0, 0.0
- Quiescence: 2, 2, 0.03
- Self-Renewal: 4, 3, 0.06
- Senescence: 12, 4, 0.17
- Transformation: 4, 2, 0.06
- Tumour Growth: 24, 5, 0.34
- Tumourigenesis: 24, 6, 0.34
- Tumour Initiation: 4, 4, 0.06
- Tumour Progression: 2, 2, 0.03
- Tumour Regression: 4, 4, 0.06

Information on each entry

Title: 44_PMD131818185.txt_CC2.xml, Words: 249, Tokens: 455

Tag data: Total: 31, Unique: 17, Max tags: 1, Tagged words: 31 (12%), Avg tags: 1.0, MC words: 0

Link data: Total: 6, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (6 (19.35%), 6 (2.41%))

Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (8, 6, 8, 9)

Title: 149_PMD33093168.txt_CC2.xml, Words: 226, Tokens: 399

Tag data: Total: 20, Unique: 10, Max tags: 1, Tagged words: 20 (9%), Avg tags: 1.0, MC words: 0

Link data: Total: 7, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (7 (35.0%), 7 (3.1%))

Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (7, 3, 7, 3)

Title: 5_PMD30870073.txt_CC2.xml, Words: 242, Tokens: 491

Tag data: Total: 14, Unique: 6, Max tags: 1, Tagged words: 14 (6%), Avg tags: 1.0, MC words: 0

Link data: Total: 5, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (5 (35.71%), 5 (2.07%))

Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (3, 5, 3, 3)

Title: 34_PMD31286822.txt_CC2.xml, Words: 264, Tokens: 535

Tag data: Total: 14, Unique: 8, Max tags: 1, Tagged words: 14 (5%), Avg tags: 1.0, MC words: 0

Link data: Total: 7, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (7 (50.0%), 7 (2.65%))

Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (3, 3, 3, 5)

Title: 77_PMD30806153.txt_CC2.xml, Words: 190, Tokens: 422

Tag data: Total: 15, Unique: 9, Max tags: 1, Tagged words: 15 (8%), Avg tags: 1.0, MC words: 0

Link data: Total: 8, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (8 (53.33%), 8 (4.21%))

Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (2, 4, 2, 7)

Title: 165_PMD32303578.txt_CC2.xml, Words: 269, Tokens: 484

Tag data: Total: 27, Unique: 15, Max tags: 1, Tagged words: 27 (10%), Avg tags: 1.0, MC words: 0

Link data: Total: 10, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (10 (37.04%), 10 (3.72%))

Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (8, 4, 8, 7)

Title: 128_PMD32193288.txt_CC2.xml, Words: 199, Tokens: 391

Tag data: Total: 10, Unique: 5, Max tags: 1, Tagged words: 10 (5%), Avg tags: 1.0, MC words: 0

Link data: Total: 14, Unique: 2, Max links (tag, word): (2, 2), Linked (tags, words): (10 (100.0%), 10 (5.03%))

Avg links (tag, word): (1.4, 1.4), Schema counts (B, I, E, S): (3, 2, 3, 2)

Title: 7_PMD31679460.txt_CC2.xml, Words: 255, Tokens: 598

Tag data: Total: 53, Unique: 35, Max tags: 2, Tagged words: 52 (20%), Avg tags: 1.02, MC words: 1

Link data: Total: 17, Unique: 3, Max links (tag, word): (2, 2), Linked (tags, words): (15 (28.3%), 14 (5.49%))

Avg links (tag, word): (1.13, 1.21), Schema counts (B, I, E, S): (16, 2, 16, 19)

Title: 73_PMD30444165.txt_CC2.xml, Words: 260, Tokens: 518

Tag data: Total: 43, Unique: 24, Max tags: 1, Tagged words: 43 (17%), Avg tags: 1.0, MC words: 0

Link data: Total: 39, Unique: 5, Max links (tag, word): (2, 2), Linked (tags, words): (33 (76.74%), 33 (12.69%))

Avg links (tag, word): (1.18, 1.18), Schema counts (B, I, E, S): (8, 11, 8, 16)

Title: 119_PMD33023950.txt_CC2.xml, Words: 231, Tokens: 417

Tag data: Total: 28, Unique: 14, Max tags: 1, Tagged words: 28 (12%), Avg tags: 1.0, MC words: 0

Link data: Total: 41, Unique: 4, Max links (tag, word): (4, 4), Linked (tags, words): (17 (60.71%), 17 (7.36%))

Avg links (tag, word): (2.41, 2.41), Schema counts (B, I, E, S): (7, 7, 7, 7)

Title: 101_PMD32788173.txt_CC2.xml, Words: 177, Tokens: 346

Tag data: Total: 17, Unique: 11, Max tags: 1, Tagged words: 17 (10%), Avg tags: 1.0, MC words: 0

Link data: Total: 47, Unique: 7, Max links (tag, word): (6, 6), Linked (tags, words): (17 (100.0%), 17 (9.6%))

Avg links (tag, word): (2.76, 2.76), Schema counts (B, I, E, S): (5, 1, 5, 6)

Title: 168_PMD32900774.txt_CC2.xml, Words: 218, Tokens: 354

Tag data: Total: 22, Unique: 12, Max tags: 1, Tagged words: 22 (10%), Avg tags: 1.0, MC words: 0

Link data: Total: 15, Unique: 2, Max links (tag, word): (1, 1), Linked (tags, words): (15 (68.18%), 15 (6.88%))

Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (6, 4, 6, 6)

Title: 64_PMID31775562.txt_CC2.xml, Words: 215, Tokens: 424
Tag data: Total: 51, Unique: 27, Max tags: 2, Tagged words: 50 (23%), Avg tags: 1.02, MC words: 1
Link data: Total: 19, Unique: 2, Max links (tag, word): (1, 1), Linked (tags, words): (19 (37.25%), 19 (8.84%))
Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (9, 15, 9, 18)

Title: 257_PMID28465358.txt_CC2.xml, Words: 182, Tokens: 332
Tag data: Total: 13, Unique: 9, Max tags: 1, Tagged words: 13 (7%), Avg tags: 1.0, MC words: 0
Link data: Total: 5, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (5 (38.46%), 5 (2.75%))
Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (3, 1, 3, 6)

Title: 42_PMID31276435.txt_CC2.xml, Words: 184, Tokens: 368
Tag data: Total: 12, Unique: 7, Max tags: 1, Tagged words: 12 (7%), Avg tags: 1.0, MC words: 0
Link data: Total: 5, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (5 (41.67%), 5 (2.72%))
Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (4, 1, 4, 3)

Title: 231_PMID30692207.txt_CC2.xml, Words: 173, Tokens: 345
Tag data: Total: 15, Unique: 7, Max tags: 1, Tagged words: 15 (9%), Avg tags: 1.0, MC words: 0
Link data: Total: 7, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (7 (46.67%), 7 (4.05%))
Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (5, 3, 5, 2)

Title: 207_PMID31488580.txt_CC2.xml, Words: 109, Tokens: 229
Tag data: Total: 21, Unique: 9, Max tags: 1, Tagged words: 21 (19%), Avg tags: 1.0, MC words: 0
Link data: Total: 16, Unique: 2, Max links (tag, word): (1, 1), Linked (tags, words): (16 (76.19%), 16 (14.68%))
Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (6, 6, 6, 3)

Title: 114_PMID32312833.txt_CC2.xml, Words: 176, Tokens: 367
Tag data: Total: 12, Unique: 8, Max tags: 1, Tagged words: 12 (7%), Avg tags: 1.0, MC words: 0
Link data: Total: 14, Unique: 2, Max links (tag, word): (2, 2), Linked (tags, words): (8 (66.67%), 8 (4.55%))
Avg links (tag, word): (1.75, 1.75), Schema counts (B, I, E, S): (3, 1, 3, 5)

Title: 86_PMID31865844.txt_CC2.xml, Words: 182, Tokens: 290
Tag data: Total: 21, Unique: 7, Max tags: 1, Tagged words: 21 (12%), Avg tags: 1.0, MC words: 0
Link data: Total: 41, Unique: 3, Max links (tag, word): (3, 3), Linked (tags, words): (17 (80.95%), 17 (9.34%))
Avg links (tag, word): (2.41, 2.41), Schema counts (B, I, E, S): (5, 9, 5, 2)

Title: 16_PMID31232177.txt_CC2.xml, Words: 210, Tokens: 420
Tag data: Total: 32, Unique: 16, Max tags: 1, Tagged words: 32 (15%), Avg tags: 1.0, MC words: 0
Link data: Total: 35, Unique: 5, Max links (tag, word): (4, 4), Linked (tags, words): (21 (65.62%), 21 (10.0%))
Avg links (tag, word): (1.67, 1.67), Schema counts (B, I, E, S): (6, 10, 6, 10)

Title: 18_PMID31931659.txt_CC2.xml, Words: 247, Tokens: 534
Tag data: Total: 40, Unique: 24, Max tags: 1, Tagged words: 40 (16%), Avg tags: 1.0, MC words: 0
Link data: Total: 26, Unique: 3, Max links (tag, word): (2, 2), Linked (tags, words): (19 (47.5%), 19 (7.69%))
Avg links (tag, word): (1.37, 1.37), Schema counts (B, I, E, S): (6, 10, 6, 18)

Title: 38_PMID31679456.txt_CC2.xml, Words: 256, Tokens: 486
Tag data: Total: 55, Unique: 27, Max tags: 2, Tagged words: 53 (21%), Avg tags: 1.04, MC words: 0
Link data: Total: 33, Unique: 3, Max links (tag, word): (2, 2), Linked (tags, words): (21 (38.18%), 21 (8.2%))
Avg links (tag, word): (1.57, 1.57), Schema counts (B, I, E, S): (7, 21, 7, 20)

Title: 112_PMID33051252.txt_CC2.xml, Words: 238, Tokens: 414
Tag data: Total: 25, Unique: 15, Max tags: 1, Tagged words: 25 (11%), Avg tags: 1.0, MC words: 0
Link data: Total: 70, Unique: 9, Max links (tag, word): (6, 6), Linked (tags, words): (25 (100.0%), 25 (10.5%))
Avg links (tag, word): (2.8, 2.8), Schema counts (B, I, E, S): (6, 4, 6, 9)

Title: 254_PMID32217666.txt_CC2.xml, Words: 204, Tokens: 302
Tag data: Total: 0, Unique: 0, Max tags: 0, Tagged words: 0 (0%), Avg tags: 0, MC words: 0
Link data: Total: 0, Unique: 0, Max links (tag, word): (0, 0), Linked (tags, words): (0 (0%), 0 (0%))
Avg links (tag, word): (0, 0), Schema counts (B, I, E, S): (0, 0, 0, 0)

Title: 140_PMID33239431.txt_CC2.xml, Words: 229, Tokens: 431
Tag data: Total: 20, Unique: 11, Max tags: 1, Tagged words: 20 (9%), Avg tags: 1.0, MC words: 0

Link data: Total: 12, Unique: 2, Max links (tag, word): (2, 2), Linked (tags, words): (9 (45.0%), 9 (3.93%))
 Avg links (tag, word): (1.33, 1.33), Schema counts (B, I, E, S): (8, 1, 8, 3)

Title: 115_PMID32661137.txt_CC2.xml, Words: 222, Tokens: 375
 Tag data: Total: 49, Unique: 15, Max tags: 1, Tagged words: 49 (22%), Avg tags: 1.0, MC words: 0
 Link data: Total: 24, Unique: 2, Max links (tag, word): (1, 1), Linked (tags, words): (24 (48.98%), 24 (10.81%))
 Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (14, 20, 14, 1)

Title: 120_PMID32122909.txt_CC2.xml, Words: 288, Tokens: 599
 Tag data: Total: 17, Unique: 9, Max tags: 1, Tagged words: 17 (6%), Avg tags: 1.0, MC words: 0
 Link data: Total: 9, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (9 (52.94%), 9 (3.12%))
 Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (4, 4, 4, 5)

Title: 224_PMID30692208.txt_CC2.xml, Words: 206, Tokens: 380
 Tag data: Total: 17, Unique: 5, Max tags: 1, Tagged words: 17 (8%), Avg tags: 1.0, MC words: 0
 Link data: Total: 26, Unique: 2, Max links (tag, word): (2, 2), Linked (tags, words): (17 (100.0%), 17 (8.25%))
 Avg links (tag, word): (1.53, 1.53), Schema counts (B, I, E, S): (5, 7, 5, 0)

Title: 194_PMID32699135.txt_CC2.xml, Words: 196, Tokens: 312
 Tag data: Total: 6, Unique: 4, Max tags: 1, Tagged words: 6 (3%), Avg tags: 1.0, MC words: 0
 Link data: Total: 6, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (6 (100.0%), 6 (3.06%))
 Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (2, 0, 2, 2)

Title: 143_PMID330223944.txt_CC2.xml, Words: 183, Tokens: 300
 Tag data: Total: 8, Unique: 4, Max tags: 1, Tagged words: 8 (4%), Avg tags: 1.0, MC words: 0
 Link data: Total: 8, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (8 (100.0%), 8 (4.37%))
 Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (3, 1, 3, 1)

Title: 125_PMIDS32213542.txt_CC2.xml, Words: 217, Tokens: 397
 Tag data: Total: 18, Unique: 10, Max tags: 1, Tagged words: 18 (8%), Avg tags: 1.0, MC words: 0
 Link data: Total: 21, Unique: 3, Max links (tag, word): (2, 2), Linked (tags, words): (16 (88.89%), 16 (7.37%))
 Avg links (tag, word): (1.31, 1.31), Schema counts (B, I, E, S): (6, 2, 6, 4)

Title: 109_PMID32217697.txt_CC2.xml, Words: 213, Tokens: 429
 Tag data: Total: 16, Unique: 9, Max tags: 1, Tagged words: 16 (8%), Avg tags: 1.0, MC words: 0
 Link data: Total: 21, Unique: 3, Max links (tag, word): (3, 3), Linked (tags, words): (11 (68.75%), 11 (5.16%))
 Avg links (tag, word): (1.91, 1.91), Schema counts (B, I, E, S): (6, 1, 6, 3)

Title: 250_PMID30842218.txt_CC2.xml, Words: 160, Tokens: 262
 Tag data: Total: 0, Unique: 0, Max tags: 0, Tagged words: 0 (0%), Avg tags: 0, MC words: 0
 Link data: Total: 0, Unique: 0, Max links (tag, word): (0, 0), Linked (tags, words): (0 (0%), 0 (0%))
 Avg links (tag, word): (0, 0), Schema counts (B, I, E, S): (0, 0, 0, 0)

Title: 87_PMID32160082.txt_CC2.xml, Words: 258, Tokens: 538
 Tag data: Total: 61, Unique: 23, Max tags: 1, Tagged words: 61 (24%), Avg tags: 1.0, MC words: 0
 Link data: Total: 8, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (8 (13.11%), 8 (3.1%))
 Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (10, 28, 10, 13)

Title: 199_PMID32265225.txt_CC2.xml, Words: 290, Tokens: 548
 Tag data: Total: 28, Unique: 11, Max tags: 1, Tagged words: 28 (10%), Avg tags: 1.0, MC words: 0
 Link data: Total: 15, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (15 (53.57%), 15 (5.17%))
 Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (8, 9, 8, 3)

Title: 72_PMID31238788.txt_CC2.xml, Words: 178, Tokens: 368
 Tag data: Total: 28, Unique: 17, Max tags: 1, Tagged words: 28 (16%), Avg tags: 1.0, MC words: 0
 Link data: Total: 15, Unique: 2, Max links (tag, word): (2, 2), Linked (tags, words): (14 (50.0%), 14 (7.87%))
 Avg links (tag, word): (1.07, 1.07), Schema counts (B, I, E, S): (8, 3, 8, 9)

Title: 226_PMID33303641.txt_CC2.xml, Words: 152, Tokens: 276
 Tag data: Total: 40, Unique: 22, Max tags: 1, Tagged words: 40 (26%), Avg tags: 1.0, MC words: 0
 Link data: Total: 39, Unique: 6, Max links (tag, word): (5, 5), Linked (tags, words): (22 (55.0%), 22 (14.47%))
 Avg links (tag, word): (1.77, 1.77), Schema counts (B, I, E, S): (7, 11, 7, 15)

Title: 142_PMDID33277366.txt_CC2.xml, Words: 185, Tokens: 326
Tag data: Total: 9, Unique: 5, Max tags: 1, Tagged words: 9 (5%), Avg tags: 1.0, MC words: 0
Link data: Total: 8, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (8 (88.89%), 8 (4.32%))
Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (3, 1, 3, 2)

Title: 247_PMDID30366904.txt_CC2.xml, Words: 114, Tokens: 237
Tag data: Total: 0, Unique: 0, Max tags: 0, Tagged words: 0 (0%), Avg tags: 0, MC words: 0
Link data: Total: 0, Unique: 0, Max links (tag, word): (0, 0), Linked (tags, words): (0 (0%), 0 (0%))
Avg links (tag, word): (0, 0), Schema counts (B, I, E, S): (0, 0, 0, 0)

Title: 235_PMDID32217665.txt_CC2.xml, Words: 166, Tokens: 301
Tag data: Total: 16, Unique: 8, Max tags: 1, Tagged words: 16 (10%), Avg tags: 1.0, MC words: 0
Link data: Total: 11, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (11 (68.75%), 11 (6.63%))
Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (4, 4, 4, 4)

Title: 9_PMDID31441382.txt_CC2.xml, Words: 261, Tokens: 607
Tag data: Total: 38, Unique: 28, Max tags: 1, Tagged words: 38 (15%), Avg tags: 1.0, MC words: 0
Link data: Total: 24, Unique: 4, Max links (tag, word): (4, 4), Linked (tags, words): (10 (26.32%), 10 (3.83%))
Avg links (tag, word): (2.4, 2.4), Schema counts (B, I, E, S): (7, 3, 7, 21)

Title: 161_PMDID32816909.txt_CC2.xml, Words: 253, Tokens: 488
Tag data: Total: 39, Unique: 14, Max tags: 1, Tagged words: 39 (15%), Avg tags: 1.0, MC words: 0
Link data: Total: 14, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (14 (35.9%), 14 (5.53%))
Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (10, 15, 10, 4)

Title: 124_PMDID32665355.txt_CC2.xml, Words: 235, Tokens: 437
Tag data: Total: 36, Unique: 17, Max tags: 1, Tagged words: 36 (15%), Avg tags: 1.0, MC words: 0
Link data: Total: 30, Unique: 4, Max links (tag, word): (2, 2), Linked (tags, words): (25 (69.44%), 25 (10.64%))
Avg links (tag, word): (1.2, 1.2), Schema counts (B, I, E, S): (9, 10, 9, 8)

Title: 51_PMDID31007149.txt_CC2.xml, Words: 267, Tokens: 568
Tag data: Total: 47, Unique: 18, Max tags: 1, Tagged words: 47 (18%), Avg tags: 1.0, MC words: 0
Link data: Total: 69, Unique: 6, Max links (tag, word): (4, 4), Linked (tags, words): (24 (51.06%), 24 (8.99%))
Avg links (tag, word): (2.88, 2.88), Schema counts (B, I, E, S): (6, 23, 6, 12)

Title: 70_PMDID31448672.txt_CC2.xml, Words: 179, Tokens: 365
Tag data: Total: 22, Unique: 10, Max tags: 1, Tagged words: 22 (12%), Avg tags: 1.0, MC words: 0
Link data: Total: 7, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (7 (31.82%), 7 (3.91%))
Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (6, 6, 6, 4)

Title: 10_PMDID30898012.txt_CC2.xml, Words: 239, Tokens: 436
Tag data: Total: 41, Unique: 13, Max tags: 1, Tagged words: 41 (17%), Avg tags: 1.0, MC words: 0
Link data: Total: 34, Unique: 2, Max links (tag, word): (2, 2), Linked (tags, words): (21 (51.22%), 21 (8.79%))
Avg links (tag, word): (1.62, 1.62), Schema counts (B, I, E, S): (6, 22, 6, 7)

Title: 276_PMDID31879538.txt_CC2.xml, Words: 182, Tokens: 322
Tag data: Total: 23, Unique: 12, Max tags: 1, Tagged words: 23 (13%), Avg tags: 1.0, MC words: 0
Link data: Total: 21, Unique: 2, Max links (tag, word): (2, 2), Linked (tags, words): (15 (65.22%), 15 (8.24%))
Avg links (tag, word): (1.4, 1.4), Schema counts (B, I, E, S): (6, 5, 6, 6)

Title: 45_PMDID30686098.txt_CC2.xml, Words: 238, Tokens: 534
Tag data: Total: 11, Unique: 6, Max tags: 1, Tagged words: 11 (5%), Avg tags: 1.0, MC words: 0
Link data: Total: 7, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (7 (63.64%), 7 (2.94%))
Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (4, 1, 4, 2)

Title: 100_PMDID31462126.txt_CC2.xml, Words: 141, Tokens: 277
Tag data: Total: 35, Unique: 20, Max tags: 1, Tagged words: 35 (25%), Avg tags: 1.0, MC words: 0
Link data: Total: 14, Unique: 2, Max links (tag, word): (2, 2), Linked (tags, words): (8 (22.86%), 8 (5.67%))
Avg links (tag, word): (1.75, 1.75), Schema counts (B, I, E, S): (7, 8, 7, 13)

Title: 289_PMDID30692206.txt_CC2.xml, Words: 174, Tokens: 353
Tag data: Total: 21, Unique: 9, Max tags: 1, Tagged words: 21 (12%), Avg tags: 1.0, MC words: 0

Link data: Total: 11, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (11 (52.38%), 11 (6.32%))
Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (4, 8, 4, 5)

Title: 185_Pmid32680921.txt_CC2.xml, Words: 160, Tokens: 317

Tag data: Total: 16, Unique: 7, Max tags: 1, Tagged words: 16 (10%), Avg tags: 1.0, MC words: 0

Link data: Total: 12, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (12 (75.0%), 12 (7.5%))

Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (3, 6, 3, 4)

Title: 35_Pmid30894058.txt_CC2.xml, Words: 253, Tokens: 543

Tag data: Total: 37, Unique: 17, Max tags: 1, Tagged words: 37 (15%), Avg tags: 1.0, MC words: 0

Link data: Total: 6, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (6 (16.22%), 6 (2.37%))

Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (9, 11, 9, 8)

Title: 228_Pmid28698299.txt_CC2.xml, Words: 229, Tokens: 400

Tag data: Total: 21, Unique: 16, Max tags: 1, Tagged words: 21 (9%), Avg tags: 1.0, MC words: 0

Link data: Total: 6, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (6 (28.57%), 6 (2.62%))

Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (4, 1, 4, 12)

Title: 96_Pmid30669930.txt_CC2.xml, Words: 183, Tokens: 354

Tag data: Total: 12, Unique: 6, Max tags: 1, Tagged words: 12 (7%), Avg tags: 1.0, MC words: 0

Link data: Total: 7, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (7 (58.33%), 7 (3.83%))

Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (4, 2, 4, 2)

Title: 33_Pmid31223056.txt_CC2.xml, Words: 250, Tokens: 515

Tag data: Total: 24, Unique: 15, Max tags: 1, Tagged words: 24 (10%), Avg tags: 1.0, MC words: 0

Link data: Total: 5, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (5 (20.83%), 5 (2.0%))

Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (4, 5, 4, 11)

Title: 251_Pmid30842218.txt_CC2.xml, Words: 160, Tokens: 262

Tag data: Total: 0, Unique: 0, Max tags: 0, Tagged words: 0 (0%), Avg tags: 0, MC words: 0

Link data: Total: 0, Unique: 0, Max links (tag, word): (0, 0), Linked (tags, words): (0 (0%), 0 (0%))

Avg links (tag, word): (0, 0), Schema counts (B, I, E, S): (0, 0, 0, 0)

Title: 102_Pmid32054768.txt_CC2.xml, Words: 234, Tokens: 429

Tag data: Total: 46, Unique: 16, Max tags: 1, Tagged words: 46 (20%), Avg tags: 1.0, MC words: 0

Link data: Total: 54, Unique: 4, Max links (tag, word): (2, 2), Linked (tags, words): (40 (86.96%), 40 (17.09%))

Avg links (tag, word): (1.35, 1.35), Schema counts (B, I, E, S): (11, 19, 11, 5)

Title: 248_Pmid32217667.txt_CC2.xml, Words: 199, Tokens: 324

Tag data: Total: 0, Unique: 0, Max tags: 0, Tagged words: 0 (0%), Avg tags: 0, MC words: 0

Link data: Total: 0, Unique: 0, Max links (tag, word): (0, 0), Linked (tags, words): (0 (0%), 0 (0%))

Avg links (tag, word): (0, 0), Schema counts (B, I, E, S): (0, 0, 0, 0)

Title: 43_Pmid31204559.txt_CC2.xml, Words: 186, Tokens: 320

Tag data: Total: 29, Unique: 19, Max tags: 1, Tagged words: 29 (16%), Avg tags: 1.0, MC words: 0

Link data: Total: 14, Unique: 2, Max links (tag, word): (1, 1), Linked (tags, words): (14 (48.28%), 14 (7.53%))

Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (7, 3, 7, 12)

Title: 155_Pmid33372040.txt_CC2.xml, Words: 222, Tokens: 376

Tag data: Total: 41, Unique: 18, Max tags: 1, Tagged words: 41 (18%), Avg tags: 1.0, MC words: 0

Link data: Total: 19, Unique: 2, Max links (tag, word): (2, 2), Linked (tags, words): (11 (26.83%), 11 (4.95%))

Avg links (tag, word): (1.73, 1.73), Schema counts (B, I, E, S): (13, 10, 13, 5)

Title: 285_Pmid29891559.txt_CC2.xml, Words: 188, Tokens: 345

Tag data: Total: 35, Unique: 15, Max tags: 1, Tagged words: 35 (19%), Avg tags: 1.0, MC words: 0

Link data: Total: 8, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (8 (22.86%), 8 (4.26%))

Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (13, 7, 13, 2)

Title: 54_Pmid31373534.txt_CC2.xml, Words: 233, Tokens: 448

Tag data: Total: 29, Unique: 18, Max tags: 1, Tagged words: 29 (12%), Avg tags: 1.0, MC words: 0

Link data: Total: 24, Unique: 4, Max links (tag, word): (2, 2), Linked (tags, words): (21 (72.41%), 21 (9.01%))

Avg links (tag, word): (1.14, 1.14), Schema counts (B, I, E, S): (5, 6, 5, 13)

Title: 32_PMID30290714.txt_CC2.xml, Words: 255, Tokens: 462
Tag data: Total: 26, Unique: 17, Max tags: 1, Tagged words: 26 (10%), Avg tags: 1.0, MC words: 0
Link data: Total: 13, Unique: 2, Max links (tag, word): (2, 2), Linked (tags, words): (9 (34.62%), 9 (3.53%))
Avg links (tag, word): (1.44, 1.44), Schema counts (B, I, E, S): (8, 1, 8, 9)

Title: 147_PMID31941699.txt_CC2.xml, Words: 180, Tokens: 295
Tag data: Total: 32, Unique: 12, Max tags: 1, Tagged words: 32 (18%), Avg tags: 1.0, MC words: 0
Link data: Total: 7, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (7 (21.88%), 7 (3.89%))
Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (5, 15, 5, 7)

Title: 84_PMID32075509.txt_CC2.xml, Words: 265, Tokens: 463
Tag data: Total: 42, Unique: 17, Max tags: 1, Tagged words: 42 (16%), Avg tags: 1.0, MC words: 0
Link data: Total: 20, Unique: 3, Max links (tag, word): (3, 3), Linked (tags, words): (12 (28.57%), 12 (4.53%))
Avg links (tag, word): (1.67, 1.67), Schema counts (B, I, E, S): (8, 17, 8, 9)

Title: 24_PMID30859901.txt_CC2.xml, Words: 260, Tokens: 605
Tag data: Total: 36, Unique: 21, Max tags: 1, Tagged words: 36 (14%), Avg tags: 1.0, MC words: 0
Link data: Total: 22, Unique: 3, Max links (tag, word): (2, 2), Linked (tags, words): (19 (52.78%), 19 (7.31%))
Avg links (tag, word): (1.16, 1.16), Schema counts (B, I, E, S): (5, 10, 5, 16)

Title: 166_PMID32060146.txt_CC2.xml, Words: 269, Tokens: 431
Tag data: Total: 24, Unique: 10, Max tags: 1, Tagged words: 24 (9%), Avg tags: 1.0, MC words: 0
Link data: Total: 29, Unique: 3, Max links (tag, word): (2, 2), Linked (tags, words): (22 (91.67%), 22 (8.18%))
Avg links (tag, word): (1.32, 1.32), Schema counts (B, I, E, S): (7, 7, 7, 3)

Title: 3_PMID31451060.txt_CC2.xml, Words: 210, Tokens: 398
Tag data: Total: 19, Unique: 12, Max tags: 1, Tagged words: 19 (9%), Avg tags: 1.0, MC words: 0
Link data: Total: 12, Unique: 2, Max links (tag, word): (2, 2), Linked (tags, words): (10 (52.63%), 10 (4.76%))
Avg links (tag, word): (1.2, 1.2), Schema counts (B, I, E, S): (5, 2, 5, 7)

Title: 53_PMID30774023.txt_CC2.xml, Words: 207, Tokens: 400
Tag data: Total: 25, Unique: 13, Max tags: 1, Tagged words: 25 (12%), Avg tags: 1.0, MC words: 0
Link data: Total: 12, Unique: 1, Max links (tag, word): (1, 1), Linked (tags, words): (12 (48.0%), 12 (5.8%))
Avg links (tag, word): (1.0, 1.0), Schema counts (B, I, E, S): (3, 9, 3, 10)

Title: 15_PMID32249716.txt_CC2.xml, Words: 240, Tokens: 429
Tag data: Total: 26, Unique: 17, Max tags: 1, Tagged words: 26 (11%), Avg tags: 1.0, MC words: 0
Link data: Total: 20, Unique: 3, Max links (tag, word): (2, 2), Linked (tags, words): (18 (69.23%), 18 (7.5%))
Avg links (tag, word): (1.11, 1.11), Schema counts (B, I, E, S): (5, 4, 5, 12)