

Apache

Subtask	.93	.05	.04	.06	.08	.00	.02	.11	.03	.02	.08	.08	.05
Relate	.04	.70	.44	.33	.31	.01	.13	.23	.44	.21	.31	.46	.41
Duplicate	.00	.07	.40	.04	.05	.00	.00	.03	.05	.13	.03	.07	.07
Block	.00	.04	.03	.46	.04	.00	.03	.02	.01	.02	.04	.04	.03
Depend	.01	.03	.03	.04	.44	.00	.02	.02	.02	.01	.08	.04	.01
Epic	.00	.00	.00	.01	.00	.99	.00	.00	.00	.00	.01	.00	.00
Non-Link	.00	.02	.01	.02	.02	.00	.76	.01	.05	.00	.02	.01	.03
Incorporate	.01	.03	.02	.02	.02	.00	.01	.51	.03	.02	.03	.06	.03
Breaks	.00	.01	.01	.01	.01	.00	.01	.01	.31	.00	.01	.01	.08
Clone	.00	.01	.02	.01	.00	.00	.00	.00	.00	.57	.00	.00	.00
Require	.00	.01	.00	.01	.02	.00	.00	.02	.00	.01	.37	.01	.01
Supercede	.00	.01	.01	.01	.01	.00	.00	.01	.01	.00	.01	.21	.01
Cause	.00	.01	.01	.01	.00	.00	.01	.01	.06	.00	.01	.01	.28

Hyperledger

Epic	.98	.01	.03	.04	.04	.02	.02
Subtask	.00	.90	.08	.04	.07	.09	.02
Relate	.00	.04	.71	.05	.17	.35	.04
Non-Link	.00	.02	.04	.83	.03	.02	.02
Block	.01	.02	.06	.04	.62	.13	.03
Duplicate	.00	.01	.07	.00	.05	.35	.04
Clone	.00	.00	.02	.00	.01	.03	.82

IntelDAOS

Relate	.61	.12	.09	.28	.05	.32	.10	.12
Block	.20	.77	.09	.26	.02	.28	.25	.00
Subtask	.01	.01	.78	.00	.07	.05	.00	.00
Duplicate	.11	.04	.00	.42	.07	.02	.00	.12
Clone	.02	.02	.00	.00	.79	.00	.00	.00
Non-Link	.03	.03	.04	.02	.00	.32	.00	.00
finish-start	.00	.01	.00	.02	.00	.00	.65	.00
Verify	.00	.00	.00	.00	.00	.00	.00	.75

JFrog

Subtask	.93	.01	.02	.03	.00	.00	.00
Relate	.01	.61	.45	.19	.35	.40	.78
Duplicate	.00	.25	.45	.02	.12	.25	.11
Non-Link	.00	.01	.03	.63	.10	.08	.00
Depend	.03	.06	.00	.05	.39	.10	.11
Trigger	.02	.06	.05	.08	.04	.18	.00
Incorporate	.00	.01	.00	.00	.00	.00	.00

Jira

Relate	.91	.30	.10	.28	.04	.34	.09	.52
Duplicate	.07	.66	.00	.08	.01	.08	.03	.12
Non-Link	.01	.00	.88	.01	.01	.02	.01	.03
Clone	.01	.02	.00	.62	.00	.00	.01	.01
Subtask	.00	.00	.00	.00	.93	.01	.01	.01
Incorporate	.01	.00	.00	.01	.00	.55	.01	.01
Detail	.00	.00	.01	.00	.00	.00	.85	.01
Cause	.01	.01	.00	.01	.00	.00	.01	.30

JiraEcosystem

Epic	.99	.01	.01	.00	.01	.02	.03	.00	.00	.00	.16
Relate	.00	.65	.03	.34	.29	.25	.38	.34	.15	.33	.20
Subtask	.00	.04	.93	.03	.13	.04	.02	.15	.02	.07	.12
Duplicate	.00	.18	.00	.53	.07	.02	.15	.15	.12	.07	.08
Block	.01	.06	.01	.04	.42	.11	.11	.07	.02	.07	.20
Non-Link	.00	.01	.01	.00	.01	.46	.08	.05	.00	.00	.04
Cause	.00	.02	.00	.01	.01	.07	.20	.05	.02	.00	.00
Incorporate	.00	.01	.00	.01	.01	.04	.02	.20	.00	.00	.00
Clone	.00	.01	.00	.03	.01	.00	.00	.00	.57	.04	.00
Split	.00	.01	.00	.01	.00	.00	.00	.00	.05	.41	.00
Depend	.00	.00	.00	.00	.01	.00	.00	.00	.02	.00	.20

MariaDB

Relate	.80	.00	.27	.57	.22	.00	.06	.41
Non-Link	.00	1.00	.00	.00	.00	.00	.00	.00
Block	.06	.00	.65	.04	.05	.00	.02	.04
Duplicate	.07	.00	.02	.35	.01	.00	.01	.07
Incorporate	.03	.00	.03	.01	.68	.00	.03	.02
Epic	.00	.00	.01	.00	.00	.99	.01	.02
Subtask	.00	.00	.01	.00	.02	.01	.85	.01
Cause	.04	.00	.02	.03	.03	.00	.02	.43

Mojang

Duplicate	.98	.03	.32
Non-Link	.01	.96	.02
Relate	.02	.01	.66

MongoDB

Relate	.75	.21	.01	.42	.19	.06	.52	.08	.16
Depend	.10	.70	.00	.11	.06	.04	.08	.03	.09
Epic	.01	.01	.99	.01	.01	.00	.00	.00	.00
Duplicate	.09	.05	.00	.42	.03	.03	.02	.01	.02
Non-Link	.02	.02	.00	.03	.70	.01	.04	.02	.00
Documented	.01	.01	.00	.00	.00	.87	.00	.00	.00
Cause	.01	.01	.00	.01	.01	.00	.33	.00	.00
Subtask	.00	.00	.00	.00	.00	.00	.00	.86	.00
Split	.00	.00	.00	.00	.00	.00	.00	.01	.73

Qt

Subtask	.94	.03	.05	.01	.01	.01	.03	.01
Relate	.01	.54	.13	.01	.33	.12	.29	.25
Depend	.02	.07	.72	.01	.02	.04	.05	.03
Epic	.00	.02	.01	.97	.00	.01	.00	.01
Duplicate	.00	.17	.02	.00	.49	.00	.08	.19
Non-Link	.00	.03	.02	.00	.01	.79	.04	.02
Split	.01	.07	.03	.00	.05	.03	.44	.05
Replace	.00	.08	.02	.00	.09	.01	.06	.44

RedHat

Relate	.70	.05	.07	.24	.10	.49	.13	.32	.38
Subtask	.04	.91	.01	.04	.02	.03	.03	.03	.02
Clone	.04	.00	.86	.02	.04	.08	.00	.05	.04
Block	.09	.02	.01	.61	.05	.09	.07	.09	.08
Incorporate	.02	.01	.01	.03	.76	.02	.02	.02	.03
Duplicate	.04	.00	.01	.02	.01	.24	.00	.03	.05
Non-Link	.02	.01	.00	.02	.01	.01	.73	.01	.03
Follow	.03	.00	.02	.02	.01	.03	.00	.44	.02
Cause	.02	.00	.00	.01	.01	.02	.01	.02	.35

Sakai

Relate	.78	.07	.39	.13	.62	.41	.26
Subtask	.02	.85	.04	.01	.00	.04	.02
Depend	.07	.04	.46	.04	.03	.06	.03
Non-Link	.04	.01	.06	.80	.01	.01	.00
Duplicate	.05	.01	.02	.00	.29	.03	.07
Incorporate	.02	.01	.03	.01	.02	.43	.02
Clone	.01	.01	.00	.00	.03	.01	.61

SecondLife

Subtask	.95	.16	.10	.20	.50	.17	.33
Relate	.03	.78	.19	.30	.38	.50	.00
Non-Link	.02	.03	.71	.00	.00	.00	.33
Clone	.00	.03	.00	.40	.00	.00	.00
Parent-Child	.00	.00	.00	.00	.12	.00	.33
Depend	.00	.00	.00	.10	.00	.33	.00
Incorporate	.00	.00	.00	.00	.00	.00	.00

Sonatype

Relate	.76	.05	.19	.40	.60	.60	.31	.50	.57
Subtask	.03	.91	.02	.00	.03	.11	.22	.14	.00
Non-Link	.01	.00	.64	.04	.00	.00	.03	.00	.00
Bonfire Testing	.07	.01	.07	.46	.04	.06	.00	.09	.24
Duplicate	.08	.00	.01	.01	.25	.09	.12	.09	.00
Cause	.03	.01	.01	.01	.01	.09	.09	.00	.05
Depend	.01	.01	.02	.03	.03	.02	.19	.00	.00
Supercede	.01	.00	.00	.03	.03	.00	.00	.18	.05
Fix	.00	.00	.02	.01	.00	.04	.03	.00	.10

Spring

Relate	.80	.07	.38	.56	.01	.20	.56
Subtask	.01	.82	.03	.02	.00	.04	.05
Depend	.08	.07	.48	.04	.00	.07	.10
Duplicate	.05	.01	.04	.32	.00	.00	.05
Epic	.00	.00	.00	.00	.99	.01	.00
Non-Link	.03	.01	.05	.02	.00	.69	.00
Supercede	.02	.02	.03	.04	.00	.00	.23