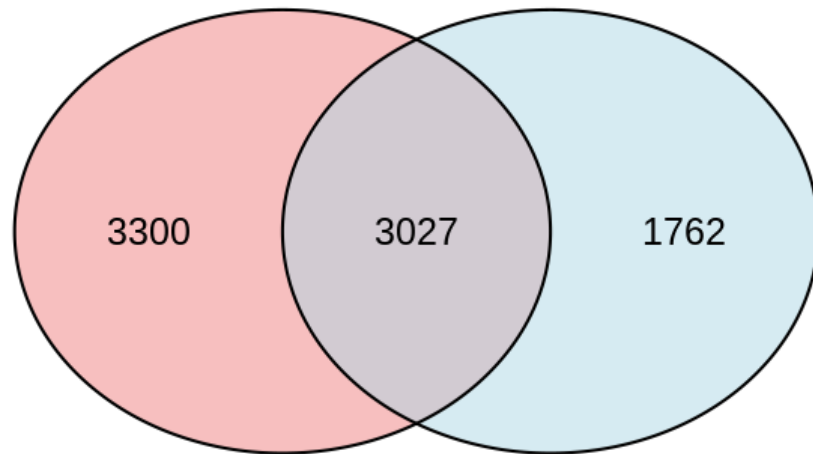


Ven Diagrams PPIs

All Genes in Networks

Vinayagam

OmniPath



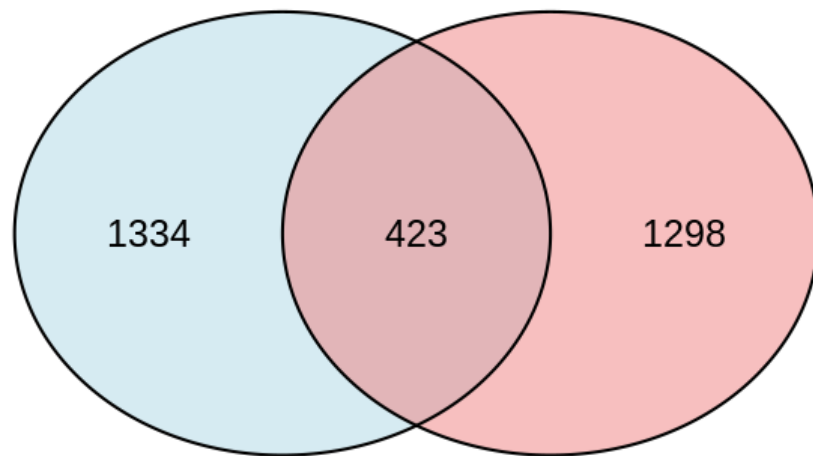
Hypergeometric p = 1.000e+00 | Fisher's p = 1.000e+00

Total unique genes: 8089 | Jaccard: 0.374

Critical Genes (Type I or II)

OmniPath Critical

Vinayagam Critical

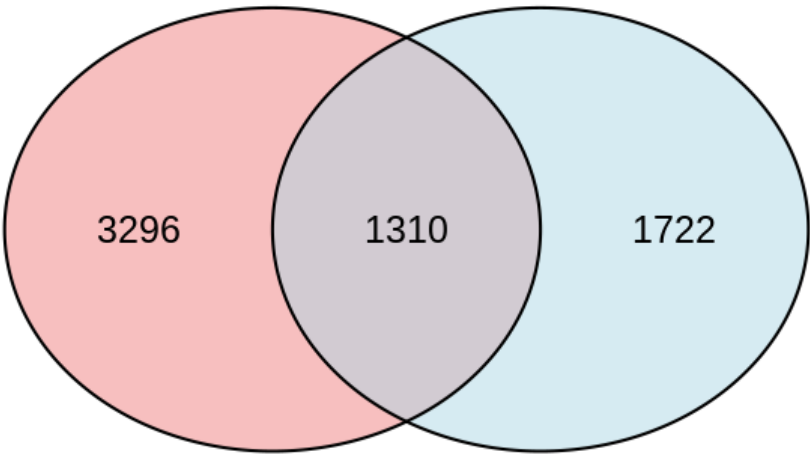


Hypergeometric $p = 7.445e-04 *$ | Fisher's $p = 7.445e-04 *$

Total unique genes: 3055 | Jaccard: 0.138

Non-Critical Genes

Vinayagam Non-Critical OmniPath Non-Critical



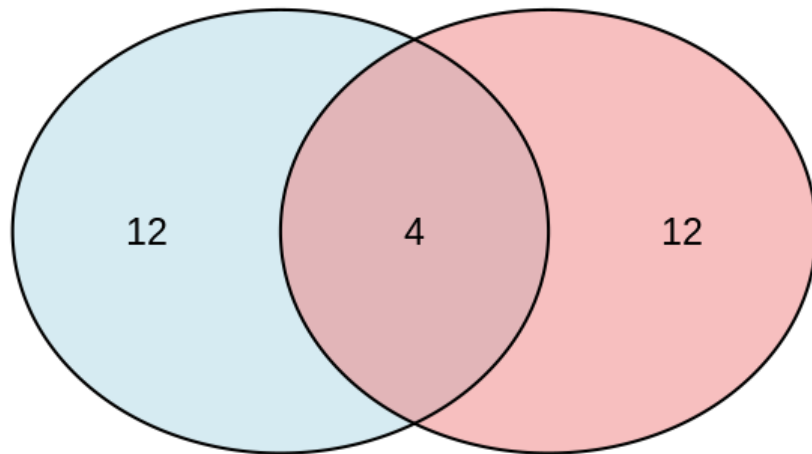
Hypergeometric p = 1.000e+00 | Fisher's p = 1.000e+00

Total unique genes: 6328 | Jaccard: 0.207

Top 16 Genes by Degree (K)

OmniPath Top16

Vinayagam Top16

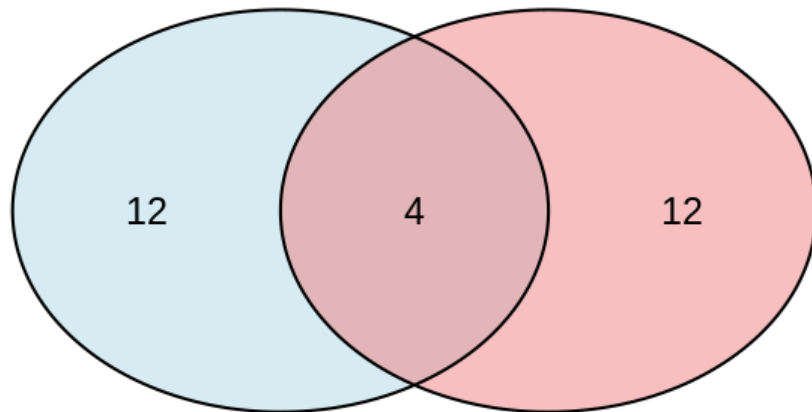


Hypergeometric $p = 1.832e-08 *$ | Fisher's $p = 1.832e-08 *$

Total unique genes: 28 | Jaccard: 0.143

Critical Genes in Top 16 by Degree

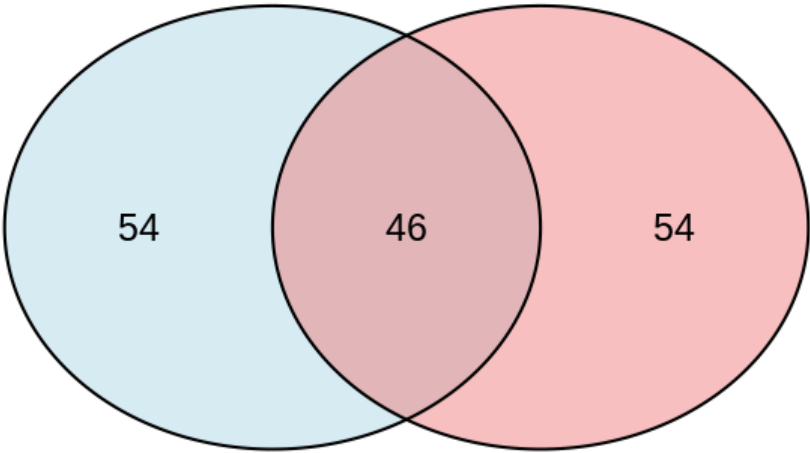
OmniPath Top16 Critical Vinayagam Top16 Critical



Total unique genes: 28

Top 100 Genes by Degree (K)

OmniPath Top100 Vinayagam Top100

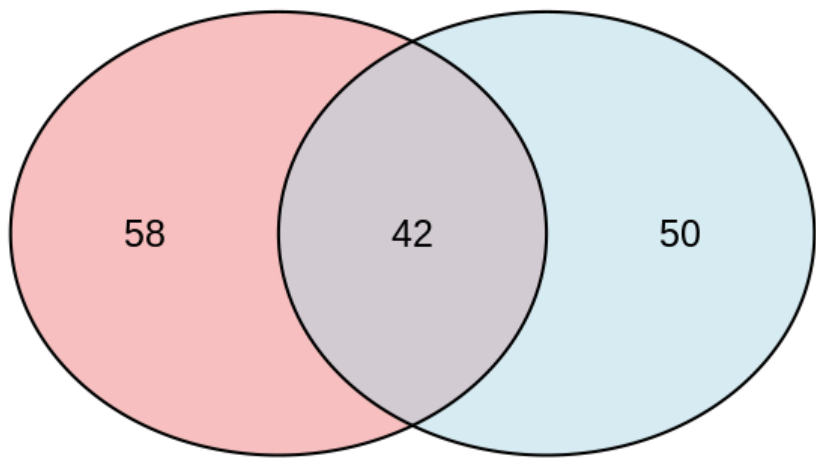


Hypergeometric p = 4.076e-65 * | Fisher's p = 4.076e-65 *

Total unique genes: 154 | Jaccard: 0.299

Critical Genes in Top 100 by Degree

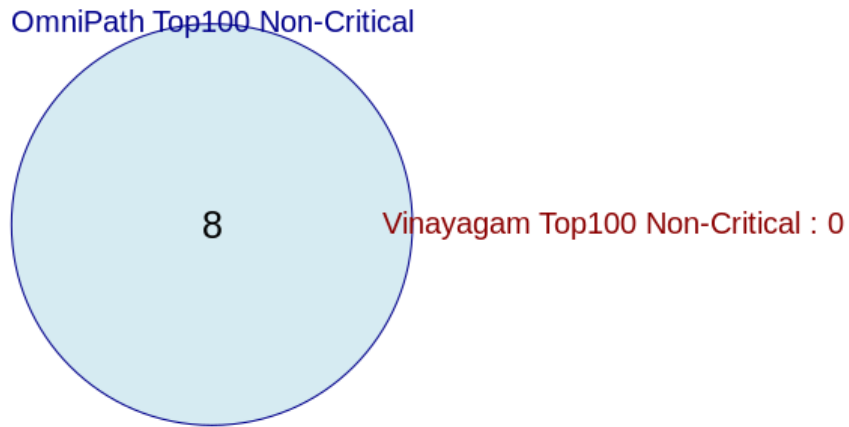
Vinayagam Top100 Critical OmniPath Top100 Critical



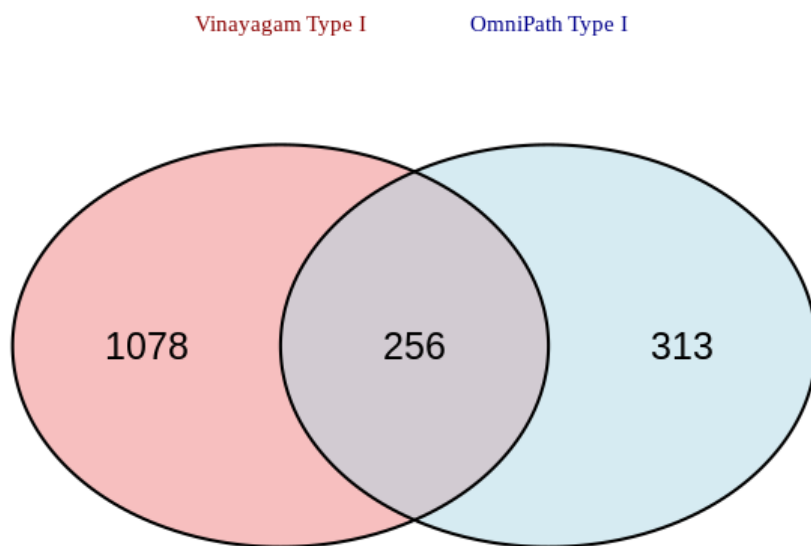
Hypergeometric p = 6.664e-59 * | Fisher's p = 6.664e-59 *

Total unique genes: 150 | Jaccard: 0.280

Non-Critical Genes in Top 100 by Degree



Type I Critical Genes

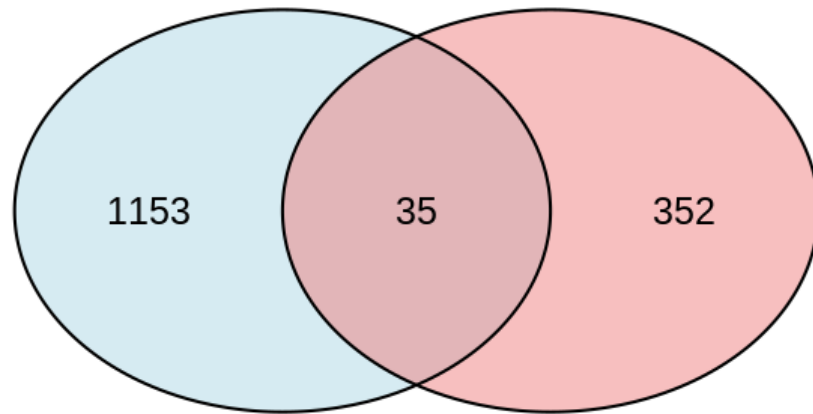


Total unique genes: 1647

Type II Critical Genes

OmniPath Type II

Vinayagam Type II



Total unique genes: 1540