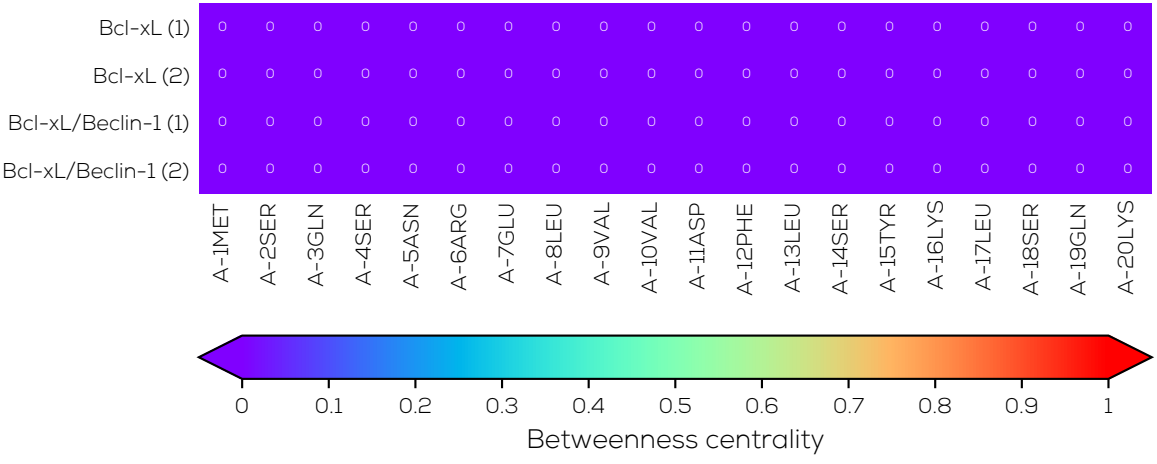
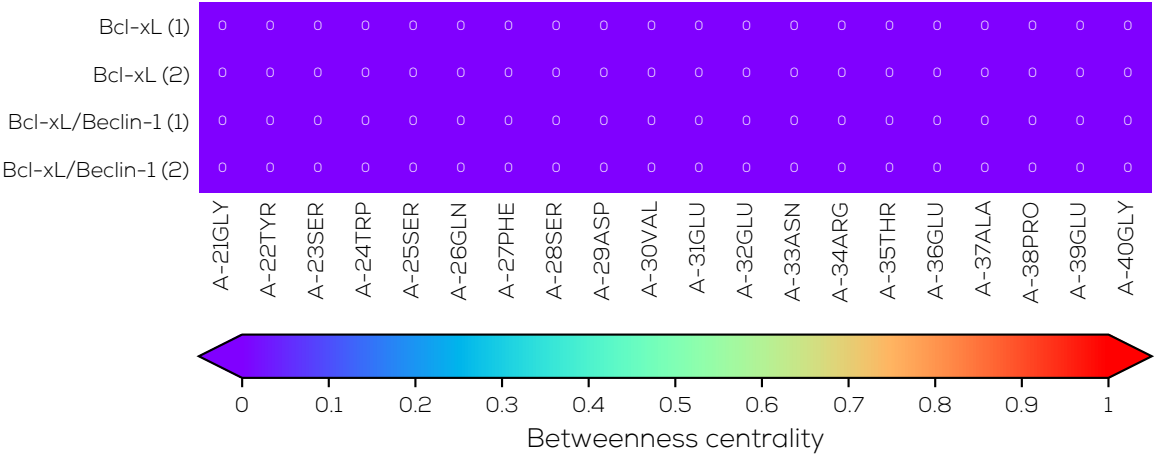
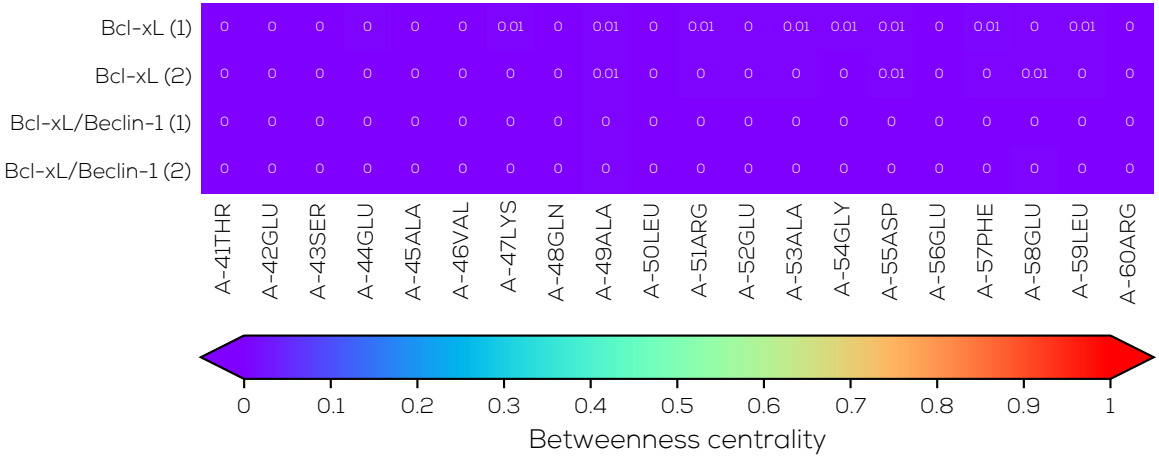
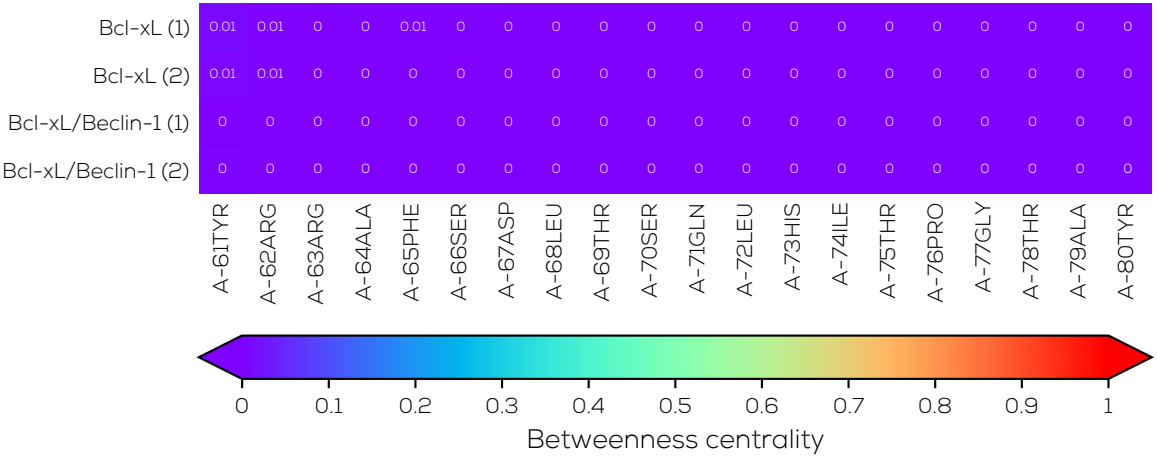
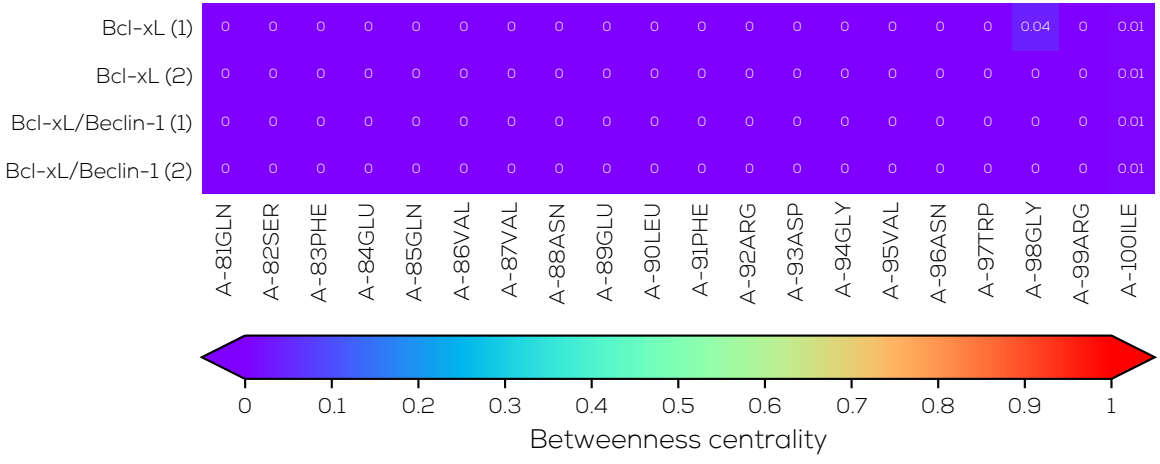
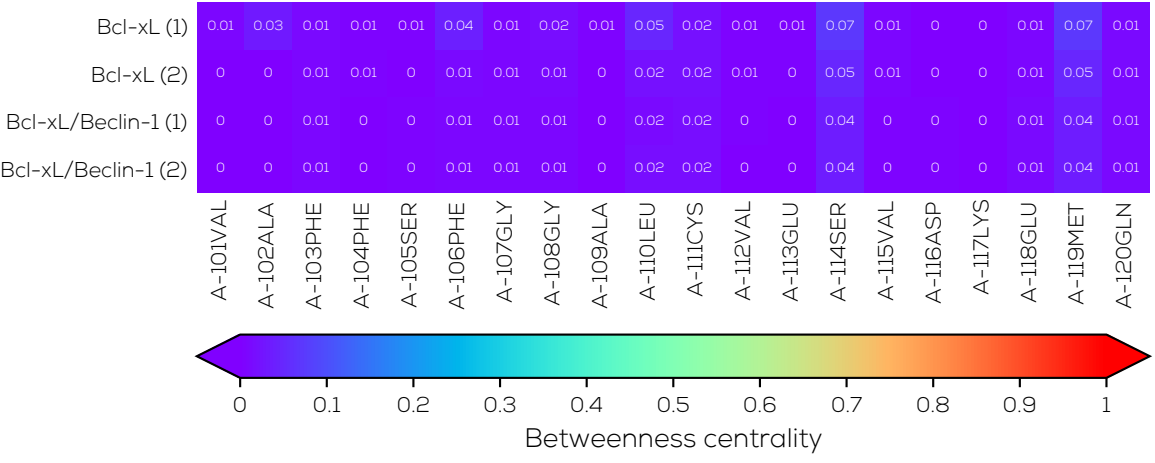

Bcl-xL (1)
Bcl-xL (2)
Bcl-xL/Beclin-1 (1)
Bcl-xL/Beclin-1 (2)
0
A-1MET
A-2SER
A-3GLN
A-4SER
A-5ASN
A-6ARG
A-7GLU
A-8LEU
A-9VAL
A-10VAL
A-11ASP
A-12PHE
A-13LEU
A-14SER
A-15TYR
A-16LYS
A-17LEU
A-18SER
A-19GLN
A-20LYS
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Betweenness centrality

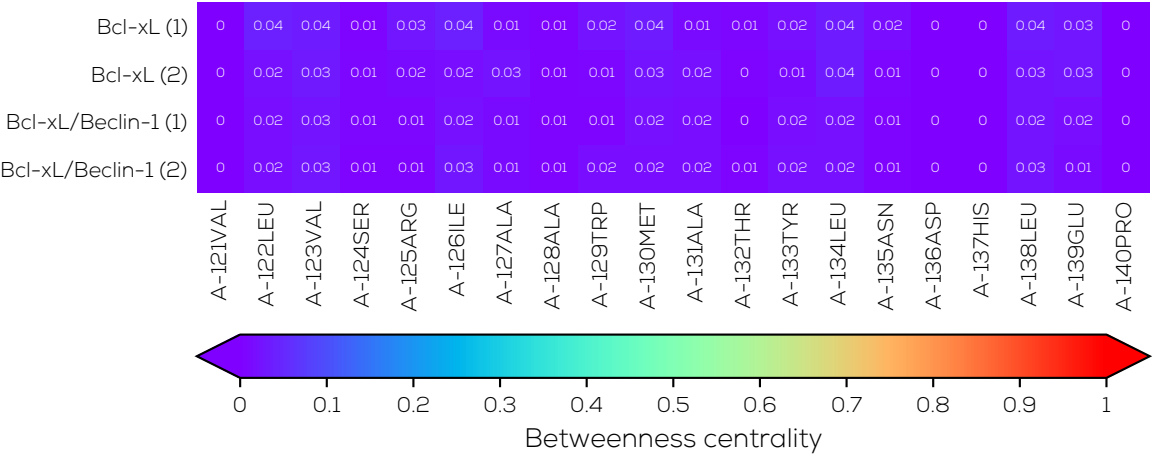

Bcl-xL (1)
Bcl-xL (2)
Bcl-xL/Beclin-1 (1)
Bcl-xL/Beclin-1 (2)
0
A-21GLY
A-22TYR
A-23SER
A-24TRP
A-25SER
A-26GLN
A-27PHE
A-28SER
A-29ASP
A-30VAL
A-31GLU
A-32GLU
A-33ASN
A-34ARG
A-35THR
A-36GLU
A-37ALA
A-38PRO
A-39GLU
A-40GLY
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Betweenness centrality

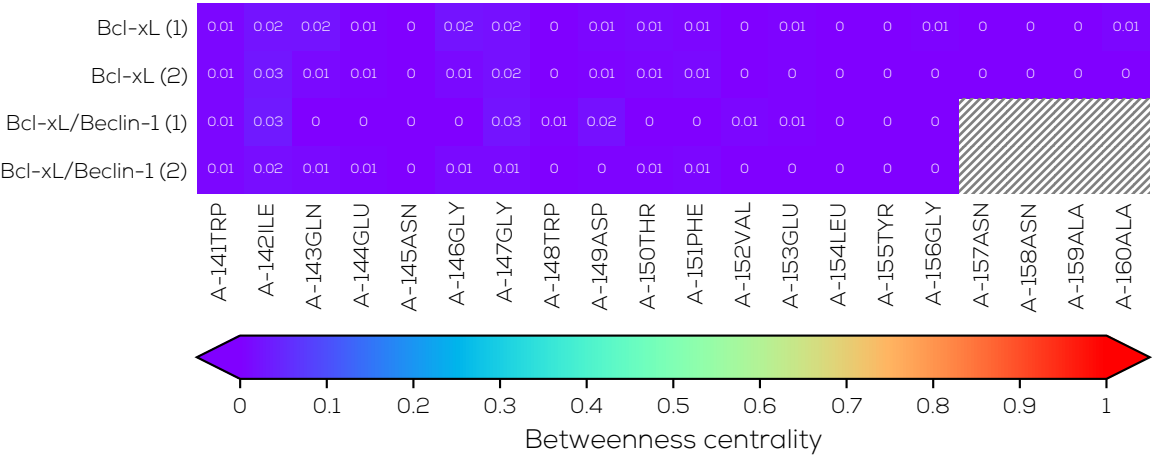

Bcl-xL (1)
Bcl-xL (2)
Bcl-xL/Beclin-1 (1)
Bcl-xL/Beclin-1 (2)
0 0 0 0 0 0 0.01 0 0.01 0 0.01 0 0.01 0.01 0.01 0 0.01 0 0.01 0
0 0 0 0 0 0 0 0 0.01 0 0 0 0 0 0.01 0 0 0.01 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
A-41THR
A-42GLU
A-43SER
A-44GLU
A-45ALA
A-46VAL
A-47LYS
A-48GLN
A-49ALA
A-50LEU
A-51ARG
A-52GLU
A-53ALA
A-54GLY
A-55ASP
A-56GLU
A-57PHE
A-58GLU
A-59LEU
A-60ARG
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Betweenness centrality

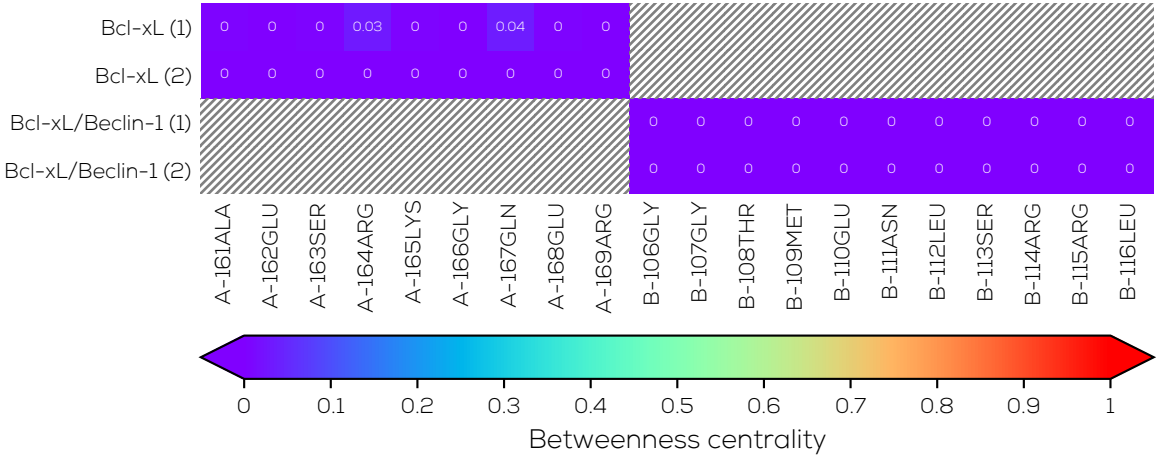

Bcl-xL (1)
Bcl-xL (2)
Bcl-xL/Beclin-1 (1)
Bcl-xL/Beclin-1 (2)
0.01 0.01 0 0 0.01 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0.01 0.01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
A-61TYR
A-62ARG
A-63ARG
A-64ALA
A-65PHE
A-66SER
A-67ASP
A-68LEU
A-69THR
A-70SER
A-71GLN
A-72LEU
A-73HIS
A-74ILE
A-75THR
A-76PRO
A-77GLY
A-78THR
A-79ALA
A-80TYR
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Betweenness centrality

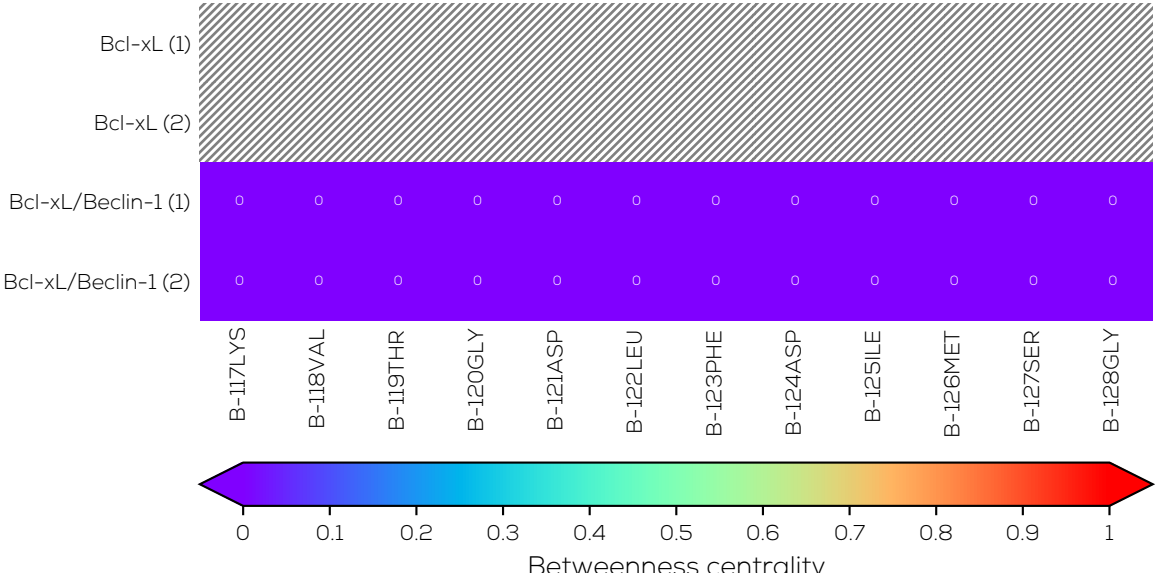

Bcl-xL (1)
Bcl-xL (2)
Bcl-xL/Beclin-1 (1)
Bcl-xL/Beclin-1 (2)
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.04 0 0.01
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.01
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.01
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.01
A-81GLN
A-82SER
A-83PHE
A-84GLU
A-85GLN
A-86VAL
A-87VAL
A-88ASN
A-89GLU
A-90LEU
A-91PHE
A-92ARG
A-93ASP
A-94GLY
A-95VAL
A-96ASN
A-97TRP
A-98GLY
A-99ARG
A-100ILE
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Betweenness centrality


Bcl-xL (1)
Bcl-xL (2)
Bcl-xL/Beclin-1 (1)
Bcl-xL/Beclin-1 (2)
0.01 0.03 0.01 0.01 0.01 0.04 0.01 0.02 0.01 0.05 0.02 0.01 0.01 0.07 0.01 0 0 0.01 0.07 0.01
0 0 0.01 0.01 0 0.01 0.01 0.01 0 0.02 0.02 0.01 0 0.05 0.01 0 0 0.01 0.05 0.01
0 0 0.01 0 0 0.01 0.01 0.01 0 0.02 0.02 0 0 0.04 0 0 0 0.01 0.04 0.01
0 0 0.01 0 0 0.01 0.01 0.01 0 0.02 0.02 0 0 0.04 0 0 0 0.01 0.04 0.01
A-101VAL
A-102ALA
A-103PHE
A-104PHE
A-105SER
A-106PHE
A-107GLY
A-108GLY
A-109ALA
A-110LEU
A-111CYS
A-112VAL
A-113GLU
A-114SER
A-115VAL
A-116ASP
A-117LYS
A-118GLU
A-119MET
A-120GLN
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Betweenness centrality


Bcl-xL (1)
Bcl-xL (2)
Bcl-xL/Beclin-1 (1)
Bcl-xL/Beclin-1 (2)
0 0.04 0.04 0.01 0.03 0.04 0.01 0.01 0.02 0.04 0.01 0.01 0.02 0.04 0.02 0 0 0.04 0.03 0
0 0.02 0.03 0.01 0.02 0.02 0.03 0.01 0.01 0.03 0.02 0 0.01 0.04 0.01 0 0 0.03 0.03 0
0 0.02 0.03 0.01 0.01 0.02 0.01 0.01 0.01 0.02 0.02 0 0.02 0.02 0.01 0 0 0.02 0.02 0
0 0.02 0.03 0.01 0.01 0.03 0.01 0.01 0.02 0.02 0.02 0.01 0.02 0.02 0.01 0 0 0.03 0.01 0
A-121VAL
A-122LEU
A-123VAL
A-124SER
A-125ARG
A-126ILE
A-127ALA
A-128ALA
A-129TRP
A-130MET
A-131ALA
A-132THR
A-133TYR
A-134LEU
A-135ASN
A-136ASP
A-137HIS
A-138LEU
A-139GLU
A-140PRO
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Betweenness centrality


Bcl-xL (1)
Bcl-xL (2)
Bcl-xL/Beclin-1 (1)
Bcl-xL/Beclin-1 (2)
0.01 0.02 0.02 0.01 0 0.02 0.02 0 0.01 0.01 0.01 0 0.01 0 0 0.01 0 0 0 0.01
0.01 0.03 0.01 0.01 0 0.01 0.02 0 0.01 0.01 0.01 0 0 0 0 0 0 0 0 0
0.01 0.03 0 0 0 0 0.03 0.01 0.02 0 0 0.01 0.01 0 0 0
0.01 0.02 0.01 0.01 0 0.01 0.01 0 0 0.01 0.01 0 0 0 0 0
A-141TRP
A-142ILE
A-143GLN
A-144GLU
A-145ASN
A-146GLY
A-147GLY
A-148TRP
A-149ASP
A-150THR
A-151PHE
A-152VAL
A-153GLU
A-154LEU
A-155TYR
A-156GLY
A-157ASN
A-158ASN
A-159ALA
A-160ALA
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Betweenness centrality


Bcl-xL (1)
Bcl-xL (2)
Bcl-xL/Beclin-1 (1)
Bcl-xL/Beclin-1 (2)
0 0 0 0.03 0 0 0.04 0 0
0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0
A-161ALA
A-162GLU
A-163SER
A-164ARG
A-165LYS
A-166GLY
A-167GLN
A-168GLU
A-169ARG
B-106GLY
B-107GLY
B-108THR
B-109MET
B-110GLU
B-111ASN
B-112LEU
B-113SER
B-114ARG
B-115ARG
B-116LEU
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Betweenness centrality


Bcl-xL (1)
Bcl-xL (2)
Bcl-xL/Beclin-1 (1)
Bcl-xL/Beclin-1 (2)
0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0
B-117LYS
B-118VAL
B-119THR
B-120GLY
B-121ASP
B-122LEU
B-123PHE
B-124ASP
B-125ILE
B-126MET
B-127SER
B-128GLY
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Betweenness centrality