

Appendix 1 Betweenness centrality for Figure 4 and Appendix 2

Table A1.1 The following table shows two betweenness centrality (C_B) measurements – one for Figure 4’s actor-actor social network analyses (middle column) and the other for an alternative analysis (Appendix 2) of the CBNRM network that excludes non-interviewed actors. Betweenness centralities were calculated using Gephi v0.9.2 and are organized as highest (top) to lowest for C_B -All – Figure 4. The five actors with the highest C_B are, respectively AM1, GM1, TA3, GM2, and GM4 for C_B -All and AM1, GM1, GM2, GS4, and GM3 for C_B -Alternative.

| Label | C_B -All – Figure 4 | C_B -Alternative |
|-------|-----------------------|--------------------|
| AM1 | *0.17603 | *0.255871 |
| GM1 | *0.147455 | *0.132172 |
| TA3 | *0.099908 | *0.030018 |
| GM2 | *0.090702 | *0.072693 |
| GM4 | *0.075362 | 0.013337 |
| TA1 | *0.057645 | *0.091 |
| GS4 | *0.053065 | *0.072286 |
| GM3 | *0.048961 | *0.056735 |
| MURD2 | *0.04571 | 0 |
| TA6 | *0.04423 | 0.011836 |
| MM1 | 0.041623 | 0.025555 |
| TA2 | 0.038092 | n/a |
| GR8 | 0.035847 | 0.004759 |
| CSO1 | 0.033807 | 0.011959 |
| TA10 | 0.033153 | 0 |
| GS2 | 0.033049 | 0.023396 |
| CA4 | 0.030062 | 0.00051 |
| AV1 | 0.025669 | 0.002813 |
| MURD1 | 0.023684 | 0.000694 |
| GMF1 | 0.020001 | 0.011693 |
| TA13 | 0.018711 | 0.002779 |
| CA1 | 0.017577 | 0.004596 |
| GS7 | 0.017297 | n/a |
| AS1 | 0.015978 | 0.011054 |
| GS5 | 0.015817 | *0.033052 |
| GS1 | 0.013401 | *0.02896 |
| GS3 | 0.013299 | *0.02615 |

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| GR6 | 0.013098 | 0.004807 |
| CO1 | 0.012172 | 0.004004 |
| GR10 | 0.011488 | 0.002132 |
| AMO1 | 0.010263 | 0.003123 |
| CA3 | 0.010132 | 0.003802 |
| GR7 | 0.008093 | 0.002079 |
| CA2 | 0.007929 | 0.002328 |
| CSW2 | 0.007093 | 0.004129 |
| CN1 | 0.006903 | 0.002122 |
| TA5 | 0.006895 | 0.011711 |
| CSW3 | 0.006765 | 0.001431 |
| MR1 | 0.006482 | n/a |
| GS10 | 0.006436 | n/a |
| CSW5 | 0.004968 | 0.005934 |
| GS9 | 0.004925 | n/a |
| GS6 | 0.004758 | n/a |
| CSO3 | 0.003827 | n/a |
| CSW1 | 0.003716 | 0.000216 |
| CN2 | 0.003618 | 0.004143 |
| GR2 | 0.003028 | n/a |
| CSO2 | 0.001958 | 0.002554 |
| CG1 | 0.001891 | 0.001431 |
| CU4 | 0.001603 | n/a |
| GR1 | 0.001321 | 0.001944 |
| CK1 | 0.001205 | 0.000663 |
| MS | 0.0012 | n/a |
| CA5 | 0.000844 | 0 |
| GSF1 | 0.000819 | n/a |
| MR2 | 0.000594 | n/a |
| CU2 | 0.000579 | 0.000692 |
| TA9 | 0.000579 | n/a |
| CU3 | 0.000557 | 0 |
| TA7 | 0.000472 | 0.001018 |
| TA8 | 0.000385 | n/a |
| TA11 | 0.000309 | n/a |
| CW01 | 0.000285 | n/a |
| TA4 | 0.000195 | n/a |
| GM5 | 0.000144 | 0.000425 |
| CSW4 | 0.000093 | 0.000085 |
| CU1 | 0.000022 | 0 |

| | | |
|-------|---|-----|
| AMO2 | 0 | n/a |
| AS2 | 0 | n/a |
| DAR1 | 0 | n/a |
| GR5 | 0 | n/a |
| GR9 | 0 | n/a |
| MMW1 | 0 | n/a |
| MMW7 | 0 | n/a |
| MMW8 | 0 | n/a |
| MMW9 | 0 | n/a |
| MR3 | 0 | n/a |
| MURD3 | 0 | n/a |
| MURD4 | 0 | n/a |
| MURD5 | 0 | n/a |
| NAM1 | 0 | n/a |
| NAM2 | 0 | n/a |
| TA12 | 0 | n/a |
| TSC4 | 0 | n/a |
| UNI1 | 0 | n/a |
| URI2 | 0 | n/a |
| WB02 | 0 | n/a |

* Top ten C_B's for each group.