| nifA | 1    | 0.67 | 0.75 | 0.84 | 0.83 | 0.77 | 0.88 | 0.85 | 0.77 | 0.8  | 0.62 | 0.76 | 0.81 | 0.9  | 0.75 | 0.9  | 0.86 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| nifB | 0.67 | 1    | 0.48 | 0.42 | 0.68 | 0.33 | 0.43 | 0.45 | 0.41 | 0.57 | 0.35 | 0.52 | 0.68 | 0.89 | 0.91 | 0.78 | 0.91 |
| Lbou | 0.75 | 0.48 | 1    | 0.72 | 0.75 | 0.5  | 0.65 | 0.64 | 0.62 | 0.76 | 0.54 | 0.69 | 0.63 | 0.64 | 0.61 | 0.76 | 0.61 |
| nodF | 0.84 | 0.42 | 0.72 | 1    | 0.82 | 0.76 | 0.84 | 0.75 | 0.69 | 0.73 | 0.69 | 0.72 | 0.64 | 0.67 | 0.53 | 0.66 | 0.64 |
| nodE | 0.83 | 0.68 | 0.75 | 0.82 | 1    | 0.64 | 0.74 | 0.68 | 0.64 | 0.79 | 0.61 | 0.77 | 0.71 | 0.8  | 0.76 | 0.79 | 0.78 |
| nodL | 0.77 | 0.33 | 0.5  | 0.76 | 0.64 | 1    | 0.91 | 0.73 | 0.66 | 0.67 | 0.61 | 0.62 | 0.61 | 0.6  | 0.45 | 0.63 | 0.52 |
| Mpou | 0.88 | 0.43 | 0.65 | 0.84 | 0.74 | 0.91 | 1    | 0.9  | 0.82 | 0.77 | 0.66 | 0.72 | 0.64 | 0.67 | 0.53 | 0.69 | 0.61 |
| Npou | 0.85 | 0.45 | 0.64 | 0.75 | 0.68 | 0.73 | 0.9  | 1    | 0.9  | 0.68 | 0.56 | 0.67 | 0.55 | 0.64 | 0.51 | 0.65 | 0.59 |
| Xpou | 0.77 | 0.41 | 0.62 | 0.69 | 0.64 | 0.66 | 0.82 | 0.9  | 1    | 0.66 | 0.55 | 0.65 | 0.54 | 0.58 | 0.48 | 0.6  | 0.53 |
| nifN | 0.8  | 0.57 | 0.76 | 0.73 | 0.79 | 0.67 | 0.77 | 0.68 | 0.66 | 1    | 0.79 | 0.86 | 0.78 | 0.71 | 0.72 | 0.76 | 0.65 |
| nifK | 0.62 | 0.35 | 0.54 | 0.69 | 0.61 | 0.61 | 0.66 | 0.56 | 0.55 | 0.79 | 1    | 0.73 | 0.55 | 0.48 | 0.41 | 0.48 | 0.44 |
| nifD | 0.76 | 0.52 | 0.69 | 0.72 | 0.77 | 0.62 | 0.72 | 0.67 | 0.65 | 0.86 | 0.73 | 1    | 0.76 | 0.65 | 0.69 | 0.64 | 0.6  |
| nifH | 0.81 | 0.68 | 0.63 | 0.64 | 0.71 | 0.61 | 0.64 | 0.55 | 0.54 | 0.78 | 0.55 | 0.76 | 1    | 0.85 | 0.85 | 0.85 | 0.8  |
| fixA | 0.9  | 0.89 | 0.64 | 0.67 | 0.8  | 0.6  | 0.67 | 0.64 | 0.58 | 0.71 | 0.48 | 0.65 | 0.85 | 1    | 0.92 | 0.94 | 0.98 |
| fixB | 0.75 | 0.91 | 0.61 | 0.53 | 0.76 | 0.45 | 0.53 | 0.51 | 0.48 | 0.72 | 0.41 | 0.69 | 0.85 | 0.92 | 1    | 0.87 | 0.9  |
| fixC | 0.9  | 0.78 | 0.76 | 0.66 | 0.79 | 0.63 | 0.69 | 0.65 | 0.6  | 0.76 | 0.48 | 0.64 | 0.85 | 0.94 | 0.87 | 1    | 0.91 |
| fixX | 0.86 | 0.91 | 0.61 | 0.64 | 0.78 | 0.52 | 0.61 | 0.59 | 0.53 | 0.65 | 0.44 | 0.6  | 0.8  | 0.98 | 0.9  | 0.91 | 1    |
|      | nifA | nifB | nodJ | nodF | nodE | nodL | nodM | nodN | nodX | nifN | nifK | nifD | nifH | fixA | fixB | fixC | fixX |

1.0

8.0

0.6

0.4

0.2

0.0