Here we can see several possible network health measures. A combination of them will probably do the job.

1.
$$n := |\mathcal{V}|$$
 How many players
2. $e := |\mathcal{E}| - |\{A : DTr_{A \to A} > 0\}|^1$ How many direct trust lines
3. $\frac{e}{n}$ Mean direct trust lines per player
4. $DTr := \sum_{A,B \in \mathcal{V}} DTr_{A \to B}$ How much direct trust in total
5. $\mu := \frac{DTr}{n}$ Mean direct trust per player
6. $Cap := \sum_{A \in \mathcal{V}} DTr_{A \to A}$ Total capital

5.
$$\mu := \frac{DTr}{n}$$
 Mean direct trust per player
6. $Cap := \sum_{A \in \mathcal{A}} DTr_{A \to A}$ Total capital

7.
$$\frac{Cap}{n}$$
 Mean capital per player 8. $\frac{DTr-Cap}{n}$ Mean direct trust minus capital per player

9.
$$\frac{1}{n} \sum_{A \in \mathcal{V}} \left(\sum_{\substack{B \in V \\ B \neq A^1}} DTr_{A \to B} - \mu \right)^2$$
 Outgoing direct trust variance 10. $\frac{1}{n} \sum_{B \in \mathcal{V}} \left(\sum_{\substack{A \in V \\ A \neq B^1}} DTr_{A \to B} - \mu \right)^2$ Incoming direct trust variance

10.
$$\frac{1}{n} \sum_{B \in \mathcal{V}} \left(\sum_{\substack{A \in V \\ A \neq B^1}} DTr_{A \to B} - \mu \right)^2$$
 Incoming direct trust variance

Total capital to total direct trust ratio

¹ Maybe it makes sense to include looped direct trusts (Capital) as well.