Imagine the following scenario:

Someone has created an AVS that requires 2/3s (by power) of validating nodes to be live. For example, a Tendermint consensus.

At first, a few individual validators opt in. Maybe there is 1000 ETH securing the AVS.

Then, a larger holder controlling many validators opts in to this AVS. They control another 3000 ETH, or 75% of the power in the AVS.

It seems to me that this large holder now has the ability to stop the AVS at will (or keep it running but censor all txs, or just censor some, etc).

Is this the case? Are any mitigations possible? As commonly acknowledged, proving liveness faults is very difficult, if not impossible.