

Table S1 Types of fish size references used to estimate global mean weights for farmed fish species

| Reference type | | No. of reported farmed fish sizes obtained (eg harvest or market) | | | | | | Total no. fish sizes | Total no. reference docs |
|----------------|--|---|---------------------|-----------------------------|-----------------------------|--------------------------|--------------------------------------|----------------------|--------------------------|
| | | Average or mean weight | Simple weight range | Usual or most common weight | Preferred or optimal weight | Common or typical weight | Weight from marketing website/report | | |
| 1 | Research articles | 7 | 16 | 15 | 1 | 1 | | 40 | 37 |
| 2 | FAO cultured species information webpages | 4 | 12 | 12 | 5 | 1 | | 34 | 27 |
| 3 | Other FAO reports | 6 | 15 | 8 | | | 1 | 30 | 24 |
| 4 | Government and inter-government (except FAO) | 25 | 2 | 1 | | | | 28 | 10 |
| 5 | Books about aquaculture and farming | | 12 | 10 | 1 | | | 23 | 11 |
| 6 | Industry factsheets etc, trade journals | 1 | 8 | 3 | 2 | | | 14 | 13 |
| 7 | Research institute and university documents | | 5 | 5 | | | | 10 | 8 |
| 8 | NGO reports and factsheets | 2 | 7 | 1 | | | | 10 | 9 |
| 9 | Misc websites concerning fish farming | 1 | | 2 | | 1 | | 4 | 4 |
| 10 | Marketing website | | | | | | 2 | 2 | 2 |
| 11 | Patent for pond polyculture method | | 1 | | | | | 1 | 1 |
| | Total fish sizes obtained | 46 | 78 | 57 | 9 | 3 | 3 | 196 | 146 |
| | | 23% | 40% | 29% | 5% | 2% | 2% | 100% | |
| | By country type: | | | | | | | | |
| | Global | 4 | 13 | 10 | 4 | | | 31 | 16% |
| | Top producing country | 16 | 22 | 25 | | | 1 | 64 | 33% |
| | Other countries | 26 | 43 | 22 | 5 | 3 | 2 | 101 | 52% |
| | Total by country type | 46 | 78 | 57 | 9 | 3 | 3 | 196 | 100% |