**Figure 2—source data 1. Normalized displacement components along the three cranium-bound orthogonal axes shown in Figure 2 (mean ± SD in %) for the food and water tracers in carp and tilapia.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Carp** | | **Tilapia** | |
|  | **food** | **water** | **food** | **water** |
| **Intake** |  |  |  |  |
| Anteroposterior (x) | 64 ± 1 | 64 ± 1 | 57 ± 1 | 63 ± 0.1 |
| Dorsoventral (y) | 26 ± 1 | 28 ± 1 | 20 ± 0.4 | 14 ± 0.3 |
| Lateromedial (z) | 10 ± 1 | 8 ± 0.4 | 23 ± 0.1 | 22 ± 0.1 |
| **Reverse flow** |  |  |  |  |
| Anteroposterior (x) | 52 ± 1 | 54 ± 1 | 39 ± 1 | 46 ± 3 |
| Dorsoventral (y) | 29 ± 1 | 30 ± 1 | 19 ± 1 | 20 ± 1 |
| Lateromedial (z) | 19 ± 1 | 16 ± 1 | 42 ± 1 | 34 ± 2 |
| **Backward flow** |  |  |  |  |
| Anteroposterior (x) | 53 ± 1 | 58 ± 1 | 43 ± 1 | 51 ± 2 |
| Dorsoventral (y) | 29 ± 0.5 | 27 ± 1 | 23 ± 1 | 22 ± 1 |
| Lateromedial (z) | 18 ± 1 | 15 ±1 | 34 ± 1 | 27 ± 2 |