

Treatment	Replicate	Diet As Conc (µg/g dwt) ¹		# of Remaining Fish in chamber - for Wwt Measurements						Fish Avg Wet Weight (g) - Unblotted ²					Fish Avg Wwt	Blotted Wt:	Fish Avg Wet Weight (g) - Estimated Blotted ⁴					Fish Avg Dry Weight (g) ⁵				
		Batch 1	Batch2	0d	14d	28d	42d	56d	56d Blot	0d	14d	28d	42d	56d	56d Blotted ³	Unblotted Wt	0d	14d	28d	42d	56d	0d	14d	28d	42d	56d
Control	A	3.2 (4.6%,n=4)	3.0 (11%,n=4)	5	5	5	5	5	4	2.212	3.338	4.736	6.460	8.524	ND	ND	2.128	3.224	4.597	6.307	8.381	0.468	0.756	1.135	1.628	2.247
	B			5	5	5	5	5	5	2.162	3.370	4.406	5.662	7.114	7.122	1.001	2.080	3.256	4.272	5.513	6.961	0.456	0.765	1.044	1.397	1.826
	C			5	5	5	5	5	5	2.828	4.034	5.046	6.298	8.136	7.943	0.976	2.727	3.906	4.903	6.145	7.989	0.624	0.942	1.222	1.581	2.127
	D			5	5	5	5	5	5	2.088	2.972	4.116	5.648	7.282	7.274	0.999	2.008	2.867	3.987	5.499	7.129	0.438	0.661	0.965	1.393	1.876
Ctrl-Lim1	A			5	5	5	5	5	5	2.468	3.408	4.654	6.088	8.002	7.870	0.983	2.377	3.293	4.516	5.936	7.853	0.532	0.775	1.113	1.520	2.088
	B			5	5	5	5	4	4	2.652	3.852	5.226	6.732	8.620	8.610	0.999	2.556	3.727	5.081	6.579	8.478	0.579	0.893	1.273	1.708	2.281
	C			5	5	5	5	5	5	2.536	3.584	4.820	6.076	7.908	7.727	0.977	2.443	3.465	4.680	5.924	7.759	0.549	0.821	1.159	1.516	2.058
	D			5	5	5	5	5	5	2.294	3.212	4.218	5.392	6.732	6.697	0.995	2.208	3.101	4.087	5.245	6.579	0.488	0.723	0.993	1.320	1.712
Ctrl-Lim2	A			5	5	5	4	4	4	1.968	2.520	3.174	4.518	5.600	5.511	0.984	1.892	2.427	3.064	4.382	5.451	0.408	0.545	0.713	1.075	1.381
	B			5	5	5	5	5	5	1.632	ND	2.840	3.664	4.560	4.422	0.970	1.567	ND	2.739	3.543	4.423	0.328	ND	0.627	0.843	1.087
	C			5	5	5	5	5	5	2.200	2.896	3.754	4.804	6.040	6.029	0.998	2.117	2.793	3.631	4.664	5.889	0.465	0.641	0.867	1.154	1.511
	D			5	5	5	5	5	5	2.194	2.812	3.610	4.436	5.434	5.313	0.978	2.111	2.711	3.490	4.301	5.287	0.464	0.619	0.828	1.052	1.333
Ctrl-Lim3	A	5	5	5	5	5	5	2.022	2.406	2.802	3.254	3.926	3.761	0.958	1.944	2.317	2.702	3.142	3.800	0.421	0.516	0.617	0.734	0.912		
	B	5	4	4	4	4	4	2.180	2.798	3.178	3.665	4.395	4.305	0.980	2.097	2.698	3.068	3.544	4.261	0.460	0.616	0.714	0.843	1.043		
	C	5	5	5	5	5	5	2.394	2.688	3.176	3.780	4.388	4.268	0.973	2.305	2.591	3.066	3.657	4.254	0.513	0.588	0.714	0.874	1.040		
	D	5	5	5	5	4	4	1.806	2.114	2.452	2.748	3.765	3.641	0.967	1.735	2.033	2.361	2.649	3.642	0.369	0.444	0.528	0.603	0.870		
MMA120	A	43 (6.5%,n=6)	151 (3.0%,n=6)	5	5	5	5	5	5	2.204	3.206	4.326	5.708	7.384	7.167	0.971	2.121	3.095	4.193	5.559	7.232	0.466	0.722	1.022	1.410	1.899
	B			5	5	5	5	5	5	2.152	3.178	4.324	5.692	7.424	7.305	0.984	2.070	3.068	4.191	5.543	7.272	0.453	0.714	1.022	1.405	1.914
	C			5	5	5	5	5	5	1.996	2.766	3.752	4.700	6.082	5.858	0.963	1.919	2.667	3.629	4.561	5.930	0.415	0.608	0.866	1.125	1.515
	D			5	5	5	5	5	5	2.696	4.014	5.310	7.112	9.084	9.071	0.999	2.599	3.886	5.164	6.959	8.948	0.590	0.937	1.297	1.820	2.424
MMA480	A	556 (1.2%,n=6)	580 (12%,n=6)	5	5	5	5	5	5	2.346	3.376	4.500	5.622	6.750	6.678	0.989	2.258	3.262	4.364	5.473	6.597	0.501	0.766	1.070	1.385	1.716
	B			5	5	5	5	5	5	2.106	3.216	4.412	5.704	7.214	7.078	0.981	2.026	3.105	4.278	5.555	7.061	0.442	0.724	1.046	1.409	1.851
	C			5	5	5	5	5	5	2.004	2.852	3.722	4.628	5.762	5.607	0.973	1.927	2.750	3.600	4.490	5.612	0.417	0.630	0.858	1.105	1.425
	D			5	5	5	5	5	5	2.086	2.690	3.394	4.406	5.520	5.307	0.962	2.006	2.593	3.279	4.272	5.372	0.437	0.588	0.771	1.044	1.354
DMA120	A	142 (2.1%,n=6)	139 (7.7%,n=6)	5	5	5	5	5	5	2.608	3.844	5.600	7.652	10.228	9.993	0.977	2.513	3.720	5.451	7.501	10.114	0.567	0.891	1.379	1.982	2.774
	B			5	5	5	5	5	5	2.592	3.614	4.534	5.738	7.734	7.525	0.973	2.497	3.494	4.398	5.588	7.584	0.563	0.829	1.079	1.419	2.004
	C			5	5	5	5	5	5	2.336	3.440	4.594	5.954	7.168	7.179	1.001	2.249	3.324	4.457	5.803	7.015	0.499	0.783	1.096	1.481	1.843
	D			5	5	4	4	4	4	2.540	3.770	5.055	6.753	8.958	8.751	0.977	2.447	3.647	4.912	6.600	8.820	0.550	0.871	1.225	1.714	2.378
DMA480	A	555 (4.4%,n=6)	558 (1.5%,n=6)	5	5	5	5	5	5	1.974	2.870	3.982	5.310	7.150	7.030	0.983	1.898	2.768	3.855	5.164	6.997	0.410	0.634	0.928	1.297	1.833
	B			5	5	5	5	5	5	2.460	3.474	4.616	5.856	7.094	6.957	0.981	2.369	3.357	4.478	5.706	6.941	0.530	0.792	1.102	1.453	1.815
	C			5	5	5	5	5	5	2.560	3.590	4.496	5.714	7.494	7.228	0.965	2.466	3.471	4.360	5.565	7.342	0.555	0.823	1.069	1.412	1.930
	D			5	5	5	5	5	5	2.366	3.494	4.768	6.586	8.974	8.749	0.975	2.278	3.377	4.628	6.433	8.836	0.506	0.797	1.144	1.665	2.382
AsIII60	A	72 (4.6%,n=6)	69 (9.8%,n=6)	5	5	5	5	5	5	2.956	3.922	5.352	7.006	9.338	9.130	0.978	2.852	3.796	5.206	6.853	9.206	0.657	0.912	1.308	1.789	2.496
	B			5	5	5	5	5	5	2.186	2.950	3.960	5.154	6.842	6.539	0.956	2.103	2.846	3.833	5.010	6.689	0.462	0.655	0.922	1.252	1.735
	C			5	5	4	4	3	3	2.080	2.774	4.005	5.315	8.100	7.775	0.960	2.001	2.674	3.878	5.169	7.952	0.436	0.610	0.935	1.298	2.111
	D			5	5	5	5	5	5	2.390	2.686	3.304	4.112	4.768	4.618	0.969	2.301	2.589	3.191	3.983	4.628	0.512	0.587	0.747	0.964	1.144
AsIII120	A	134 (6.6%,n=6)	100 (7.3%,n=6)	5	5	5	5	5	5	2.358	2.694	3.252	3.854	5.118	4.964	0.970	2.270	2.597	3.140	3.729	4.974	0.504	0.589	0.734	0.894	1.242
	B			5	5	5	5	5	5	1.732	1.958	2.410	3.126	4.200	4.020	0.957	1.664	1.882	2.321	3.017	4.069	0.352	0.406	0.517	0.701	0.986
	C			5	5	5	5	5	5	2.388	2.790	3.366	3.966	5.072	4.871	0.960	2.299	2.690	3.252	3.839	4.929	0.512	0.614	0.764	0.924	1.227
	D			5	5	5	5	5	5	2.094	2.130	2.390	2.686	3.274	3.141	0.959	2.014	2.049	2.301	2.589	3.162	0.439	0.448	0.512	0.587	0.739

¹ Average of measured concentration across diet samples, parentheses provide number of samples and relative standard deviation (%)

² For measured unblotted wet weights, fish in a chamber are netted and transferred as a group to a tared beaker of water; this total weight of fish is divided by the number of fish to provide the average weight

³ For measured blotted wet weights, fish from a chamber are individually blotted and weighed, and the average of these individual weights is provided

⁴ Fish estimated blotted wet weight is the unblotted wet weight times an estimated fraction blotted/unblotted = $0.955 + 0.00332 \times \text{unblotted wet weight (g)}$ (see Equation 6 in main text)

⁵ Fish dry weight is the blotted wet weight (estimated from unblotted when not measured) times estimated fraction dry weight = $0.1934 + 0.0809 \times \log_{10}(\text{wet weight (g)})$ (See Equation 5 and Figure 1 of main text)

⁶ Percent Cumulative Growth = $100 \times (\text{Final dry weight for period} - \text{Initial dry weight for period}) / \text{Initial dry weight for period}$

⁷ Growth rate = $100 \times \ln(\text{final average dry weight for period} / \text{initial average dry weight for period}) / \text{Duration of period}$

^g The fresh weights of the provided rations are the cumulative of daily measured weight through the test

⁹ Fraction dry weight and weight per crumble are averages for multiple measurements on each batch of food

¹⁰ The sum of the counts of uneaten food pellets over all feedings for the time period

¹¹ Total consumption of food in a chamber on a fresh weight basis is the ration size minus (the number of eaten pellets times the fresh weight per pellet)

¹² Total consumption of food in a chamber on a dry weight basis is the total consumption on a fresh weight basis times the average measure fraction dry weight of the food pellets

¹³ Consumption rate per weight fish is total consumption over the period divided by the time-averaged weight of fish in the chamber for the period and divided by the duration of the period

¹⁴ Conversion efficiency is increase in dry weight gain of fish in chamber over the period divided by the total dry weight of diet consumed during the period.

Supplemental Information for: "The effects of ar																											
Supplemental Table S2. Exposure, survival and grr which growth metrics were computed as average over two time periods)																											
Treatment ⁰	Replicate	Diet As Conc (µg/g dwt) ¹		Cumulative Growth (% dwt basis) ⁶						Growth Rate (%/day, dwt basis) ⁷					Total Ration Provided (g fresh weight) ⁸				Fraction Dry weight of Food Pellets ⁹				# of Provided Food Pellets Uneaten ¹⁰				Fresh
		Batch 1	Batch2	Period1	Period2	Period1-2	Period3	Period4	Period1-4	Period1	Period2	Period3	Period4	Overall	Period1	Period2	Period3	Period4	Period1	Period2	Period3	Period4	Period1	Period2	Period3	Period4	Period1
Control	A	3.2 (4.6%,n=4)	3.0 (11%,n=4)	61.5	50.1	142.5	43.4	38.0	379.9	3.43	2.90	2.57	2.30	2.801	4.648	7.014	8.288	11.312	0.906	0.906	0.906	0.921	35	484	452	966	2.37
	B			67.8	36.5	129.1	33.8	30.7	300.7	3.70	2.22	2.08	1.92	2.479	4.536	7.084	7.714	9.912	0.906	0.906	0.906	0.921	223	1050	924	1610	2.37
	C			51.1	29.7	96.0	29.3	34.5	241.1	2.95	1.86	1.84	2.12	2.191	5.936	8.470	8.834	11.018	0.906	0.906	0.906	0.921	480	1124	696	1090	2.37
	D			51.0	46.0	120.5	44.4	34.7	328.7	2.94	2.70	2.62	2.13	2.599	4.382	6.244	7.210	9.884	0.906	0.906	0.906	0.921	174	552	494	1385	2.37
Ctrl-Lim1	A			45.6	43.6	109.1	36.6	37.4	292.5	2.68	2.59	2.23	2.27	2.442	3.976	5.488	6.510	8.526	0.906	0.906	0.906	0.921	13	126	192	523	2.37
	B			54.4	42.5	120.0	34.2	33.6	294.2	3.10	2.53	2.10			4.270	6.202	7.322	9.422	0.906	0.906	0.906	0.921	5	35	73	674	2.37
	C			49.6	41.1	111.0	30.8	35.7	274.8	2.88	2.46	1.92	2.18	2.359	4.088	5.768	6.748	8.512	0.906	0.906	0.906	0.921	11	94	246	375	2.37
	D			48.0	37.3	103.2	33.0	29.7	250.5	2.80		2.04	1.86		3.696	5.166	5.908	7.546	0.906	0.906	0.906	0.921	3	24	4	137	2.37
Ctrl-Lim2	A			33.5	30.8	74.7	50.7	28.5	238.3	2.06	1.92		1.79		2.198	2.828	1.701	3.794	0.906	0.906	0.906	0.921	1	3	2	6	2.37
	B			38.2	38.2	91.1	34.5	28.9	231.4	2.31	2.31	2.12	1.81	2.140	1.834	2.646	2.982	3.850	0.906	0.906	0.906	0.921	27	8	3	8	2.37
	C			37.8	35.2	86.4	33.2	30.9	224.7	2.29	2.16	2.05	1.92	2.103	2.464	3.248	3.948	5.040	0.906	0.906	0.906	0.921	2	12	4	1	2.37
	D			33.6	33.7	78.6	27.0	26.6	187.4	2.07	2.08	1.71	1.69	1.885	2.464	3.150	3.794	4.662	0.906	0.906	0.906	0.921	10	19	15	16	2.37
Ctrl-Lim3	A			22.5	19.4	46.4	19.0	24.2	116.3	1.45	1.27	1.24	1.55	1.378	1.414	1.680	1.960	2.282	0.906	0.906	0.906	0.921	0	0	2	1	2.37
	B			33.8	16.0	55.2	18.0	23.7	126.5		1.06	1.18	1.52		1.347	1.568	1.778	2.058	0.906	0.906	0.906	0.921	0	0	0	0	2.37
	C			14.5	21.4	39.0	22.4	19.0	102.5	0.97	1.39	1.45	1.24	1.260	1.680	1.876	2.226	2.646	0.906	0.906	0.906	0.921	2	6	0	0	2.37
	D			20.2	18.9	43.0	14.2	44.2	135.6	1.32	1.24	0.95			1.260	1.484	1.722	1.777	0.906	0.906	0.906	0.921	1	2	1	1	2.37
MMA120	A	43 (6.5%,n=6)	151 (3.0%,n=6)	54.8	41.6	119.3	38.0	34.7	307.4	3.12	2.49	2.30	2.13	2.508	4.634	6.734	7.574	9.996	0.854	0.854	0.890	0.925	185	663	1022	1116	2.08
	B			57.6	43.0	125.3	37.6	36.2	322.3	3.25	2.56	2.28	2.21	2.572	4.522	6.678	7.574	9.968	0.854	0.854	0.890	0.925	74	426	626	809	2.08
	C			46.4	42.6	108.7	29.9	34.6	265.0	2.72	2.53	1.87	2.13	2.312	4.186	5.810	6.566	8.232	0.854	0.854	0.890	0.925	115	500	1020	915	2.08
	D			58.9	38.4	119.9	40.4	33.2	311.0	3.31	2.32	2.42	2.05	2.524	5.656	8.428	9.296	12.446	0.854	0.854	0.890	0.925	12	117	125	256	2.08
MMA480	A	556 (1.2%,n=6)	580 (12%,n=6)	52.8	39.6	113.4	29.5	23.9	242.2	3.03	2.38	1.85	1.53	2.197	4.928	7.084	7.882	9.842	0.899	0.899	0.912	0.926	226	516	587	1074	2.58
	B			63.8	44.4	136.6	34.7	31.4	318.8	3.53	2.62	2.13	1.95	2.558	4.424	6.748	7.728	9.982	0.899	0.899	0.926	0.926	102	376	722	1083	2.58
	C			51.0	36.3	105.8	28.8	28.9	241.7	2.94	2.21	1.81	1.82	2.194	4.298	5.992	6.510	8.106	0.899	0.899	0.926	0.926	297	290	114	106	2.58
	D			34.6	31.1	76.4	35.4	29.7	209.8	2.12	1.93	2.17	1.86	2.019	4.382	5.656	5.936	7.714	0.899	0.899	0.926	0.926	429	545	227	660	2.58
DMA120	A	142 (2.1%,n=6)	139 (7.7%,n=6)	57.1	54.8	143.1	43.7	40.0	388.9	3.22	3.12	2.59	2.40	2.834	5.474	8.078	9.800	13.398	0.878	0.878	0.908	0.927	268	495	756	682	2.47
	B			47.2	30.1	91.6	31.4	41.3	255.8	2.76	1.88	1.95	2.47	2.267	5.446	7.588	7.938	10.038	0.878	0.878	0.927	0.927	396	1149	1351	1077	2.47
	C			57.0	39.9	119.7	35.1	24.4	269.3	3.22	2.40	2.15	1.56	2.333	4.900	7.224	8.036	10.416	0.878	0.878	0.927	0.927	299	776	1124	1753	2.47
	D			58.4	40.6	122.6	40.0	38.7	332.3	3.28		2.40	2.34		5.334	5.448	7.084	9.450	0.878	0.878	0.927	0.927	48	448	673	881	2.47
DMA480	A	555 (4.4%,n=6)	558 (1.5%,n=6)	54.8	46.4	126.5	39.7	41.3	347.2	3.12	2.72	2.39	2.47	2.675	4.144	6.034	6.972	9.296	0.875	0.875	0.904	0.929	79	335	489	429	2.01
	B			49.5	39.1	107.9	31.8	25.0	242.5	2.87	2.36	1.97	1.59	2.199	5.166	7.294	8.078	10.248	0.875	0.875	0.904	0.929	154	477	565	1231	2.01
	C			48.2	29.9	92.5	32.1	36.7	247.7	2.81	1.87	1.99	2.23	2.225	5.376	7.546	7.868	9.996	0.875	0.875	0.904	0.929	452	973	1238	1074	2.01
	D			57.5	43.5	126.0	45.5	43.1	370.4	3.24	2.58	2.68	2.56	2.765	4.970	7.336	8.344	11.522	0.875	0.875	0.904	0.929	160	509	545	830	2.01
AsIII60	A	72 (4.6%,n=6)	69 (9.8%,n=6)	38.9	43.5	99.3	36.7	39.5	280.2	2.35	2.58	2.23	2.38	2.385	6.202	8.232	9.366	12.264	0.878	0.878	0.898	0.918	542	470	247	162	1.99
	B			41.9	40.8	99.8	35.8	38.5	275.8	2.50	2.45	2.19	2.33	2.364	4.592	6.202	6.930	9.016	0.878	0.878	0.898	0.918	497	439	548	762	1.99
	C			39.9	53.3	114.5	38.9	62.6	384.6	2.40		2.35			4.368	4.284	5.614	7.448	0.878	0.878	0.898	0.918	572	327	269	401	1.99
	D			14.6	27.3	45.8	28.9	18.7	123.2	0.97	1.72	1.82	1.23	1.434	5.026	5.642	5.782	7.196	0.878	0.878	0.898	0.918	923	278	20	149	1.99
AsIII120	A	134 (6.6%,n=6)	100 (7.3%,n=6)	16.8	24.5	45.4	21.8	39.0	146.2	1.11	1.57	1.41	2.35	1.609	4.956	5.656	5.698	6.748	0.871	0.871	0.900	0.928	1279	889	1114	772	1.98
	B			15.5	27.5	47.2	35.4	40.7	180.4	1.03																	

Supplemental Information for: "The effects of ar

Supplemental Table S2. Exposure, survival and gr

Treatment ⁰	Replicate	Diet As Conc (µg/g dwt) ¹		Weight per Food Pellet (mg) ⁹			Food Consumption per Chamber(g) - fresh wt ¹¹				Food Consumption per Chamber (g) - dry wt ¹²				Dwt Food Consumed per Fish Weight per Day ¹³					% Conversion Efficiency ¹⁴				
		Batch 1	Batch2	Period2	Period3	Period4	Period1	Period2	Period3	Period4	Period1	Period2	Period3	Period4	Period1	Period2	Period3	Period4	Average	Period1	Period2	Period3	Period4	Average
Control	A	3.2 (4.6%,n=4)	3.0 (11%,n=4)	2.37	2.37	2.12	4.57	5.87	7.22	9.26	4.14	5.32	6.54	8.53	9.84	8.14	6.83	6.35	7.79	34.8	35.7	37.7	36.3	36.1
	B			2.37	2.37	2.12	4.01	4.60	5.52	6.50	3.63	4.16	5.00	5.99	8.69	6.63	5.90	5.34	6.64	42.5	33.6	35.2	35.9	36.8
	C			2.37	2.37	2.12	4.80	5.81	7.18	8.71	4.35	5.26	6.51	8.02	8.04	6.98	6.67	6.23	6.98	36.7	26.6	27.5	34.0	31.2
	D			2.37	2.37	2.12	3.97	4.94	6.04	6.95	3.60	4.47	5.47	6.40	9.49	7.95	6.71	5.63	7.45	31.0	34.0	39.1	37.7	35.5
Ctrl-Lim1	A			2.37	2.37	2.12	3.95	5.19	6.05	7.42	3.57	4.70	5.49	6.83	7.91	7.20	6.00	5.46	6.64	34.0	35.9	37.1	41.6	37.1
	B			2.37	2.37	2.12	4.26	6.12	7.15		3.86	5.54	6.48		7.61	7.39	6.25			40.8	34.2	33.6		
	C			2.37	2.37	2.12	4.06	5.55	6.16	7.72	3.68	5.02	5.59	7.11	7.78	7.32	6.00	5.73	6.71	37.0	33.6	32.0	38.1	35.2
	D			2.37	2.37	2.12	3.69				3.34				7.98					35.1				
Ctrl-Lim2	A			2.37	2.37	2.12	2.20	2.82		3.78	1.99	2.56		3.48	6.00	5.84		5.09		34.4	32.9		35.2	
	B			2.37	2.37	2.12	1.77	2.63	2.97	3.83	1.60	2.38	2.70	3.53	6.17	6.17	5.28	5.26	5.72	37.5	37.5	40.1	34.5	37.4
	C			2.37	2.37	2.12	2.46	3.22	3.94	5.04	2.23	2.92	3.57	4.64	5.80	5.57	5.08	5.00	5.36	39.5	38.7	40.3	38.4	39.2
	D			2.37	2.37	2.12	2.44	3.10	3.76	4.63	2.21	2.81	3.41	4.26	5.87	5.59	5.20	5.13	5.45	35.2	37.1	32.9	32.9	34.5
Ctrl-Lim3	A			2.37	2.37	2.12	1.41	1.68	1.96	2.28	1.28	1.52	1.77	2.10	3.92	3.85	3.76	3.66	3.79	37.1	33.0	33.1	42.3	36.4
	B			2.37	2.37	2.12		1.57	1.78	2.06		1.42	1.61	1.90		3.82	3.70	3.60						
	C			2.37	2.37	2.12	1.68	1.86	2.23	2.65	1.52	1.69	2.02	2.44	3.94	3.71	3.64	3.65	3.74	24.5	37.4	39.7	34.0	33.9
	D			2.37	2.37	2.12	1.26	1.48	1.72		1.14	1.34	1.56		4.01	3.95	3.94			32.8	31.3	24.1		
MMA120	A	43 (6.5%,n=6)	151 (3.0%,n=6)	2.08	2.13	2.18	4.25	5.35	5.40	7.56	3.63	4.57	4.80	7.00	8.87	7.57	5.69	6.09	7.05	35.2	32.9	40.4	34.9	35.8
	B			2.08	2.13	2.18	4.37	5.79	6.24	8.21	3.73	4.95	5.55	7.59	9.28	8.23	6.59	6.58	7.67	35.0	31.1	34.6	33.5	33.5
	C			2.08	2.13	2.18	3.95	4.77	4.39	6.24	3.37	4.07	3.91	5.77	9.53	7.98	5.64	6.29	7.36	28.6	31.8	33.1	33.8	31.8
	D			2.08	2.13	2.18	5.63	8.18	9.03	11.89	4.81	6.99	8.04	11.00	9.16	9.02	7.44	7.45	8.27	36.1	25.7	32.6	27.4	30.5
MMA480	A	556 (1.2%,n=6)	580 (12%,n=6)	2.58	2.36	2.14	4.34	5.75	6.50	7.55	3.91	5.17	5.92	6.99	8.94	8.12	6.93	6.46	7.61	33.9	29.4	26.6	23.6	28.4
	B			2.58	2.36	2.14	4.16	5.78	6.02	7.67	3.74	5.20	5.58	7.10	9.35	8.48	6.54	6.26	7.66	37.7	30.9	32.6	31.1	33.1
	C			2.58	2.36	2.14	3.53	5.24	6.24	7.88	3.18	4.72	5.78	7.30	8.79	9.13	8.45	8.28	8.66	33.5	24.2	21.4	21.9	25.3
	D			2.58	2.36	2.14	3.27	4.25	5.40	6.30	2.94	3.82	5.00	5.84	8.26	8.08	7.93	7.00	7.82	25.7	23.9	27.3	26.5	25.9
DMA120	A	142 (2.1%,n=6)	139 (7.7%,n=6)	2.47	2.46	2.45	4.81	6.85	7.94	11.72	4.23	6.02	7.21	10.87	8.42	7.70	6.20	6.59	7.23	38.3	40.5	41.8	36.4	39.3
	B			2.47	2.46	2.45	4.47	4.75	4.61	7.40	3.92	4.17	4.28	6.86	8.15	6.27	4.92	5.78	6.28	33.9	30.0	39.6	42.7	36.6
	C			2.47	2.46	2.45	4.16	5.30	5.27	6.11	3.65	4.66	4.89	5.67	8.28	7.15	5.46	4.89	6.45	38.9	33.6	39.4	31.9	35.9
	D			2.47	2.46	2.45	5.22		5.43	7.29	4.58		5.03	6.76	9.37		6.18	5.95		35.0		38.9	39.3	
DMA480	A	555 (4.4%,n=6)	558 (1.5%,n=6)	2.01	2.12	2.24	3.98	5.36	5.94	8.34	3.49	4.69	5.37	7.74	9.69	8.68	6.95	7.14	8.12	32.2	31.3	34.3	34.6	33.1
	B			2.01	2.12	2.24	4.86	6.33	6.88	7.49	4.25	5.54	6.22	6.96	9.31	8.44	7.00	6.11	7.71	30.9	28.0	28.2	26.1	28.3
	C			2.01	2.12	2.24	4.47	5.59	5.24	7.59	3.91	4.89	4.74	7.05	8.21	7.43	5.49	6.08	6.80	34.3	25.1	36.2	36.8	33.1
	D			2.01	2.12	2.24	4.65	6.31	7.19	9.66	4.07	5.52	6.50	8.98	9.07	8.21	6.69	6.40	7.59	35.8	31.4	40.0	40.0	36.8
AsIII60	A	72 (4.6%,n=6)	69 (9.8%,n=6)	1.99	2.15	2.31	5.12	7.30	8.83	11.89	4.50	6.41	7.93	10.91	8.27	8.33	7.38	7.34	7.83	28.4	30.9	30.3	32.4	30.5
	B			1.99	2.15	2.31	3.60	5.33	5.75	7.25	3.16	4.68	5.17	6.66	8.18	8.56	6.84	6.42	7.50	30.5	28.6	32.0	36.2	31.8
	C			1.99	2.15	2.31	3.23		5.04		2.84		4.52		7.82		7.30			30.7		32.1		
	D			1.99	2.15	2.31	3.19	5.09	5.74	6.85	2.80	4.47	5.15	6.29	7.28	9.61	8.65	8.54	8.52	13.4	17.9	21.0	14.3	16.6
AsIII120	A	134 (6.6%,n=6)	100 (7.3%,n=6)	1.98	2.01	2.04	2.42	3.90	3.46	5.17	2.11	3.39	3.11	4.80	5.53	7.36	5.48	6.48	6.21	20.1	21.3	25.7	36.3	25.8
	B			1.98	2.01	2.04	1.90	3.06	3.32	4.42	1.65	2.67	2.98	4.10	6.24	8.30	7.05	7.02	7.15	16.4	20.9	30.7	34.8	25.7
	C			1.98	2.01	2.04	2.77	4.44	4.02	5.29	2.41	3.87	3.62	4.91	6.14	8.06	6.15	6.57	6.73	21.1	19.4	22.1	30.9	23.4
	D			1.98	2.01	2.04	2.13	2.82	3.28	4.35	1.86	2.46	2.95	4.04	5.98	7.33	7.69	8.74	7.43	2.4	13.1	12.7	18.8	11.7

⁰ Ctrl-Lim refers to reduced rations of control diet, AsIII=diet tr

¹ Average of measured concentration across diet samples, par

² For measured unblotted wet weights, fish in a chamber are n

³ For measured blotted wet weights, fish from a chamber are i

⁴ Fish estimated blotted wet weight is the unblotted wet weight

⁵ Fish dry weight is the blotted wet weight (estimated from un

⁶ Percent Cumulative Growth = $100 \times (\text{Final dry weight for period} - \text{Initial dry weight}) / \text{Initial dry weight}$

⁷ Growth rate = $100 \times \ln(\text{final average dry weight for period} / \text{init})$

⁸ The fresh weights of the provided rations are the cumulative

⁹ Fraction dry weight and weight per crumble are averages for

¹⁰ The sum of the counts of uneaten food pellets over all feedings

¹¹Total consumption of food in a chamber on a fresh weight basis

¹² Total consumption of food in a chamber on a dry weight basis

¹³ Consumption rate per weight fish is total consumption over

¹⁴ Conversion efficiency is increase in dry weight gain of fish in
