

### Supplementary data 3:

#### 1-Data from larvae at hatching:

Total variance explained (re-scaled values):

Component	Initial characteristic value			Extraction of sum of squares loaded		
	Total	Variance (%)	Sum (%)	Total	Variance (%)	Sum (%)
1	3.952E-006	96.202	96.202	3.774	94.352	94.352
2	1.045E-007	2.544	98.746	0.117	2.937	97.290
3	4.481E-008	1.091	99.837			
4	6.706E-009	0.163	100.000			

Component's matrix (re-scaled values):

Variable	Component	
	1	2
Head length	0.990	-0.099
Body depth	0.981	-0.110
Head width	0.969	0.248
Pre Orb length	0.945	0.185

## 2-Data from larvae at 16 dpf:

Total variance explained (re-scaled values):

Component	Initial characteristic value			Extraction of sum of squares loaded		
	Total	Variance (%)	Sum (%)	Total	Variance (%)	Sum (%)
1	4.573E-008	81.684	81.684	8.179	74.347	74.347
2	4.627E-009	8.265	89.949	0.707	6.423	80.770
3	3.107E-009	5.550	95.499			
4	1.231E-009	2.199	97.691			
5	5.909E-010	1.055	98.753			
6	3.125E-010	0.558	99.311			
7	1.424E-010	0.254	99.565			
8	1.110E-010	0.198	99.763			
9	6.521E-011	0.116	99.879			
10	4.612E-011	0.082	99.961			
11	2.178E-011	0.039	100.000			

Component's matrix\_(re-scaled values):

Variable	Component	
	1	2
Pre Anal lenght	0,942	-0,279
Pre Pect length	0,916	0,083
Head length	0,914	0,354
Head width	0,906	0,228
Pre Pelv length	0,890	-0,112
Body depth	0,872	0,023
Jaw width	0.861	0.158

<b>Pre Orb length</b>	0.833	0.250
<b>Jaw length</b>	0.816	0.519
<b>Cerato length</b>	0.805	0.223
<b>Cerato dist</b>	0.702	0.160