SUPPLEMENTARY MATERIALS

Spearman correlation		Sex	Age absolute difference	Centroid size absolute diff.	Procrustes Distance	Distances between partners											
						PC1	PC2	PC3	PC4	PC5	PC6	PC8	PC9	PC10	PC12	PC13	PC14
FPC1	phase	M	-.010	-.110	-.030	-.030	.090	-.100	.030	.130	-.030	**-.210***	-.130	.060	.090	-.130	.040
			.954	.311	.802	.761	.416	.358	.800	.227	.808	**.046**	.212	.569	.427	.211	.700
		F	.040	**.210***	-.090	-.020	.050	-.080	.120	-.060	-.140	-.030	-.090	.080	-.100	-.040	-.010
			.691	**.036**	.403	.811	.601	.423	.244	.594	.165	.788	.366	.415	.338	.728	.913
	amplitude	M	-.090	-.190	.040	.000	.070	-.120	.160	**-.210***	.070	.040	.100	-.120	-.130	**.260***	-.030
			.383	.077	.712	.997	.494	.266	.125	**.047**	.517	.679	.363	.256	.232	**.015**	.749
		F	.040	**-.320****	.000	-.050	-.090	-.110	.070	.170	.130	.070	-.030	.110	**.250***	.140	.120
			.715	**.002**	.969	.612	.386	.290	.512	.091	.211	.521	.751	.271	**.013**	.173	.253
FPC2	phase	M	.010	.150	.100	-.020	-.040	.180	.060	**.210***	-.100	.080	-.070	.110	.030	-.150	.070
			.929	.166	.359	.826	.741	.094	.572	**.046**	.355	.466	.520	.320	.754	.177	.508
		F	.020	.080	-.040	.070	.010	.030	-.030	-.030	-.010	-.060	-.020	-.060	-.130	.020	**-.380****
			.822	.461	.680	.523	.949	.806	.736	.799	.923	.557	.856	.574	.198	.849	**.000**
	amplitude	M	.030	-.130	-.070	.130	-.010	-.210	-.130	-.040	.030	-.080	.030	-.080	.080	.050	-.030
			.775	.211	.520	.211	.932	.052	.214	.703	.777	.475	.797	.450	.486	.633	.777
		F	.000	-.060	.020	.000	-.020	.050	-.180	-.090	.040	.020	-.010	-.060	.110	-.070	**.250***
			.998	.564	.833	.978	.882	.596	.082	.375	.685	.850	.930	.563	.273	.477	**.016**
FPC3	phase	M	-.010	-.130	-.120	.030	-.150	**-.240***	-.070	-.010	.040	.060	.170	.060	.010	.050	-.030
			.960	.245	.268	.779	.176	**.026**	.545	.914	.716	.562	.123	.590	.958	.670	.785
		F	-.100	.000	-.100	-.080	.040	**-.290****	.170	.030	-.130	-.160	-.010	-.020	.010	.120	.070
			.314	.988	.350	.424	.678	**.005**	.090	.798	.193	.123	.894	.820	.933	.237	.492
	amplitude	M	.080	-.110	.070	-.120	.120	.030	.100	.090	.090	-.050	-.190	-.090	-.200	-.020	.060
			.433	.313	.515	.279	.265	.756	.363	.395	.391	.630	.075	.389	.062	.850	.565
		F	-.050	.070	.060	.110	.050	.070	.090	.060	.070	.050	-.130	.190	-.070	-.140	-.070
			.653	.477	.558	.292	.619	.474	.395	.551	.522	.611	.224	.064	.519	.185	.516

Table S1: Table of Spearman's correlation coefficients and p-values between parental variables (age absolute difference, face centroid size absolute difference, Procrustes distance and Principal Component distances between partners) and descriptors of the growth curves of their offspring (Functional Principal Components 1–3 phase and amplitude).
**. Correlation is significant at the 0.01 level.
*. Correlation is significant at the 0.05 level.

Spearman correlation		Sex	Absolute differences between partners														
			Height	Weight	Head circumf.	Head width	Head length	Head height	Ft - ft	Zy - zy	Go - go	PFL	MFL	Nose to chin	Nose width	Nose height	Mouth width	Mouth height
FPC1	phase	M	-.130	-.060	-.030	-.010	.160	-.140	.050	.100	-.100	-.030	-.030	**-.270***	-.140	.080	.040	.180
			.230	.549	.776	.899	.147	.200	.653	.352	.352	.765	.760	**.012**	.203	.460	.730	.091
		F	.160	-.080	.100	.140	-.170	-.060	-.040	-.120	.090	.070	.150	.200	-.010	-.060	-.010	-.020
			.131	.450	.332	.177	.095	.530	.718	.229	.381	.484	.158	.053	.898	.580	.898	.821
	amplitude	M	.020	-.070	-.020	-.090	.100	.170	-.060	-.070	.150	.090	.060	.200	.050	.000	-.080	**.210***
			.870	.508	.885	.405	.356	.119	.576	.529	.157	.413	.589	.059	.628	.974	.454	**.050**
		F	-.100	**.200***	-.100	.140	.170	.070	**.330****	**.230***	.040	-.120	-.190	-.120	-.140	.110	-.040	.100
			.330	**.050**	.324	.176	.106	.495	**.001**	**.021**	.687	.230	.057	.247	.177	.297	.727	.317
FPC2	phase	M	.000	.000	-.030	.080	-.030	.020	.090	.060	**-.300****	.030	-.020	-.060	-.050	.040	.130	.020
			.997	.968	.808	.466	.760	.880	.408	.566	**.005**	.795	.850	.599	.619	.741	.219	.883
		F	-.140	.020	-.100	-.040	.140	-.110	-.020	.060	**-.270****	-.060	-.160	-.140	.190	-.060	-.100	.010
			.184	.821	.345	.723	.166	.304	.852	.541	**.007**	.580	.111	.168	.059	.590	.341	.935
	amplitude	M	-.010	-.090	.000	-.030	-.020	**-.220***	-.060	.040	**.230***	.000	-.020	-.180	.080	-.010	-.110	-.090
			.914	.381	.998	.782	.864	**.038**	.580	.695	**.032**	.971	.831	.093	.462	.936	.327	.380
		F	.110	-.060	.130	-.110	-.100	.070	-.180	-.160	**.210***	.010	.140	.080	-.090	-.030	.040	-.050
			.272	.577	.207	.271	.339	.473	.086	.116	**.044**	.910	.177	.467	.391	.784	.729	.655
FPC3	phase	M	-.090	-.130	.190	-.210	.100	-.110	.160	.030	.110	.060	-.050	-.120	.050	.180	.100	.000
			.403	.218	.083	.053	.351	.318	.141	.794	.327	.548	.645	.276	.647	.092	.367	.983
		F	.150	.040	.080	.060	.120	.080	-.030	-.020	.070	.090	.050	.070	-.130	.040	.060	-.130
			.148	.670	.451	.539	.248	.425	.743	.871	.490	.410	.653	.468	.194	.679	.590	.211
	amplitude	M	.010	-.010	-.090	.030	.120	.110	-.120	.070	-.190	-.050	-.060	-.090	-.130	-.210	.020	.170
			.946	.921	.412	.761	.276	.312	.246	.526	.071	.650	.598	.390	.231	.054	.888	.113
		F	.090	.070	.040	.110	-.170	-.070	.140	.160	.090	-.140	.010	.020	-.030	.020	-.020	.050
			.367	.513	.729	.275	.097	.512	.186	.111	.396	.190	.961	.884	.751	.837	.827	.596

Table S2: Table of Spearman's correlation coefficients and p-values between parental variables (absolute differences in anthropometric measurements between partners) and descriptors of the growth curves of their offspring (Functional Principal Components 1–3 phase and amplitude).
**. Correlation is significant at the 0.01 level.
*. Correlation is significant at the 0.05 level.

Spearman correlation		Sex	Age	Birth order	Number of siblings	Centroid Size	PC1 score	PC2 score	PC3 score	PC4 score	PC5 score	PC6 score	PC8 score	PC9 score	PC10 score	PC12 score	PC13 score	PC14 score
FPC1	phase	M	-.120	.000	.030	-.020	-.210	-.140	-.160	-.040	.050	-.140	.180	.130	-.170	-.050	-.090	.090
			.255	.978	.772	.848	.052	.207	.135	.697	.634	.204	.095	.227	.104	.664	.410	.411
		F	**.230***	-.050	-.080	-.010	-.170	-.150	-.180	-.070	-.070	-.060	-.020	-.120	.080	.010	-.040	-.060
			.023	.607	.433	.892	.104	.132	.077	.529	.514	.547	.879	.235	.420	.909	.724	.544
	amplitude	M	**.210***	-.180	-.050	.150	.140	.140	.070	.040	.070	.120	-.160	.050	.040	-.140	**.240***	.120
			.046	.089	.636	.158	.196	.182	.501	.744	.540	.274	.125	.646	.732	.182	**.025**	.270
		F	-.120	-.030	-.100	.020	.040	.010	.120	**-.200***	-.060	-.100	.000	.080	-.090	-.020	.030	**.310****
			.232	.780	.329	.834	.665	.958	.236	**.049**	.552	.357	.967	.419	.362	.855	.790	**.003**
FPC2	phase	M	**-.210***	-.010	-.070	-.010	-.140	.000	.060	-.050	-.080	.000	.110	-.010	.080	.040	-.060	-.060
			.049	.936	.542	.928	.205	.985	.569	.626	.445	.995	.306	.939	.486	.695	.565	.551
		F	.040	.070	.000	.000	.080	.010	.010	-.130	-.160	-.070	-.090	-.010	.120	.130	.110	.000
			.668	.492	.972	.995	.417	.907	.903	.215	.115	.511	.374	.900	.226	.204	.294	.964
	amplitude	M	.130	.170	.060	-.050	.070	-.020	-.160	.020	.040	-.150	-.010	.060	-.160	-.070	-.010	.050
			.228	.116	.589	.634	.515	.827	.130	.883	.746	.157	.914	.604	.143	.517	.944	.622
		F	-.070	-.050	.090	.060	.060	.020	-.020	**.220***	**.270****	.120	.100	-.070	-.080	-.080	-.030	-.060
			.473	.613	.373	.559	.575	.837	.875	**.033**	**.008**	.236	.332	.526	.430	.445	.782	.551
FPC3	phase	M	.090	-.050	.010	.090	-.020	-.030	-.030	.170	-.030	.100	.120	.150	-.160	.130	-.130	-.150
			.394	.645	.909	.418	.827	.795	.795	.110	.798	.366	.247	.161	.145	.242	.223	.168
		F	-.100	-.100	**-.220***	.020	-.070	-.060	.020	.030	-.010	.060	.080	-.060	-.010	.090	.160	-.020
			.333	.318	**.033**	.859	.482	.578	.829	.740	.900	.562	.433	.562	.943	.387	.114	.866
	amplitude	M	.010	-.190	-.030	.090	-.150	-.130	.110	-.130	.020	-.060	.100	.070	-.090	**-.250***	-.050	**.240***
			.897	.070	.756	.427	.172	.221	.299	.230	.870	.601	.368	.513	.398	**.020**	.613	**.027**
		F	.130	.080	.080	-.030	.050	-.130	-.130	**-.240***	-.040	-.030	-.090	.010	.070	-.060	-.140	.070
			.214	.448	.449	.739	.619	.215	.208	**.020**	.710	.740	.392	.951	.483	.547	.159	.496

Table S3: Table of Spearman's correlation coefficients and p-values between individual variables of fathers (life-history features, face centroid size and score on Principal Components) and descriptors of the growth curves of their offspring (Functional Principal Components 1–3 phase and amplitude).
**. Correlation is significant at the 0.01 level.
*. Correlation is significant at the 0.05 level.

Spearman correlation		Sex	Height	Weight	Head circumf.	Head width	Head length	Head height	Ft - ft	Zy - zy	Go - go	PFL	MFL	Nose to chin	Nose width	Nose height	Mouth width	Mouth height
FPC1	phase	M	.050	-.020	.010	**.230***	-.070	.090	-.010	.210	.020	.040	.070	.090	.000	.040	.080	.030
			.652	.870	.900	**.030**	.529	.384	.895	.052	.887	.728	.535	.415	.999	.732	.434	.802
		F	-.060	.110	.000	.130	.100	.050	.080	.090	.080	.060	.040	.080	.020	.000	-.050	-.030
			.569	.294	.962	.196	.313	.597	.415	.391	.416	.573	.689	.445	.838	.989	.600	.806
	amplitude	M	**.460****	.190	.180	-.040	.170	.090	.100	-.080	**.240***	.060	.060	-.130	.040	.200	.000	.010
			.000	.077	.089	.692	.116	.429	.345	.448	**.022**	.576	.594	.230	.722	.058	.992	.939
		F	**.450****	**.260***	.120	.120	.030	**.220***	.110	.150	.130	.030	.090	.060	.100	**.200***	.060	.160
			.000	**.010**	.242	.257	.746	**.029**	.269	.146	.191	.781	.381	.584	.339	**.047**	.554	.110
FPC2	phase	M	-.070	.070	-.030	-.030	-.050	-.080	.060	.150	-.010	.000	.040	.070	.020	-.090	.080	-.190
			.532	.498	.777	.762	.635	.464	.578	.168	.905	.982	.696	.490	.875	.402	.480	.081
		F	.090	-.020	.060	.040	.010	.000	-.120	-.110	-.070	-.040	.050	-.020	.070	.040	.030	-.020
			.374	.882	.582	.720	.950	.995	.260	.288	.485	.725	.649	.832	.518	.693	.773	.865
	amplitude	M	-.080	-.150	.020	.140	.020	.080	-.100	-.090	-.040	.020	-.080	-.010	-.070	.040	-.130	.190
			.452	.151	.835	.178	.864	.456	.346	.399	.679	.834	.435	.957	.530	.734	.242	.073
		F	**-.250***	-.080	-.100	-.140	-.070	.010	.050	.050	-.060	.070	-.040	.020	-.150	-.110	-.090	-.030
			.013	.442	.331	.161	.504	.895	.622	.620	.557	.522	.698	.812	.157	.280	.382	.752
FPC3	phase	M	-.030	-.170	-.030	-.060	.030	.040	**-.220***	-.120	.010	-.040	.030	.070	-.050	-.090	-.200	.110
			.766	.110	.753	.552	.803	.677	**.043**	.276	.939	.678	.812	.510	.645	.400	.056	.294
		F	**.230***	.170	.020	.110	-.060	.150	.090	.140	-.010	.020	.070	.110	-.050	.070	-.170	.000
			.027	.104	.879	.269	.566	.148	.370	.159	.954	.857	.482	.294	.619	.517	.098	.966
	amplitude	M	**.370****	.110	.180	**.320****	-.010	**.220***	**.240***	.200	.050	.020	.170	.070	.060	.090	**.260***	-.070
			.000	.328	.102	**.003**	.907	**.038**	**.026**	.061	.657	.858	.120	.534	.559	.413	**.013**	.525
		F	.120	-.020	-.040	-.060	.020	.000	-.130	-.140	.010	-.040	.000	-.030	.070	.140	.040	-.060
			.243	.835	.672	.577	.818	.999	.211	.181	.929	.686	.975	.802	.519	.171	.674	.593

Table S4: Table of Spearman's correlation coefficients and p-values between individual variables of fathers (anthropometric measurements) and descriptors of the growth curves of their offspring (Functional Principal Components 1–3 phase and amplitude).
**. Correlation is significant at the 0.01 level.
*. Correlation is significant at the 0.05 level.

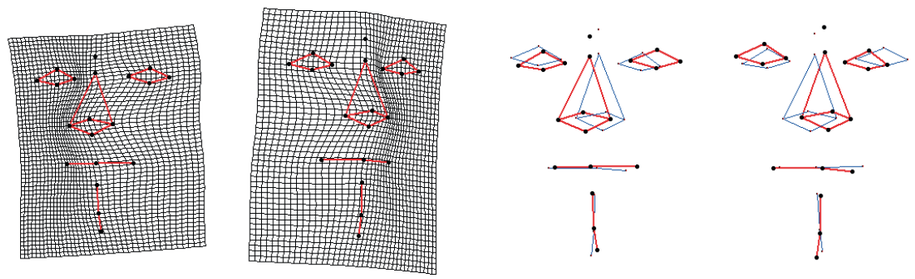
Spearman correlation		Sex	Age	Birth order	Number of siblings	Centroid Size	PC1 score	PC2 score	PC3 score	PC4 score	PC5 score	PC6 score	PC8 score	PC9 score	PC10 score	PC12 score	PC13 score	PC14 score
FPC1	phase	M	-.130	.150	.020	-.120	-.020	.170	.090	-.020	.060	-.010	.000	.040	-.040	-.060	.000	.170
			.245	.156	.844	.259	.873	.110	.416	.834	.571	.932	.984	.687	.685	.585	.994	.123
		F	.080	-.170	.020	.120	-.030	-.120	.020	-.110	.040	.050	-.160	.020	-.070	-.090	-.160	-.200
			.460	.094	.838	.225	.804	.237	.870	.295	.704	.659	.119	.855	.528	.368	.129	.053
	amplitude	M	.160	-.040	-.040	.140	-.070	-.120	.030	-.020	-.110	.050	.090	-.060	.080	**.290****	-.050	-.040
			.135	.723	.731	.186	.523	.253	.776	.889	.296	.660	.427	.589	.458	**.007**	.620	.720
		F	-.070	.030	.000	.150	.090	-.110	.050	.120	-.110	.050	.130	.060	-.010	.080	-.060	.200
			.516	.792	.998	.150	.380	.291	.659	.261	.288	.643	.198	.580	.933	.453	.551	.056
FPC2	phase	M	-.050	.060	.130	-.010	.060	.000	-.030	**-.210***	.010	-.060	-.120	.060	-.110	**-.260***	**.270***	.020
			.659	.576	.219	.949	.564	.969	.770	**.049**	.925	.559	.260	.603	.316	**.015**	**.010**	.821
		F	.030	-.150	-.110	.100	.130	.090	-.110	.090	-.020	.050	-.010	.090	.150	-.070	.060	-.120
			.762	.153	.292	.352	.210	.360	.294	.384	.853	.663	.959	.404	.150	.511	.568	.238
	amplitude	M	.050	-.030	-.170	-.150	-.130	.050	-.020	.150	.100	-.060	.100	-.070	.040	.150	-.140	.000
			.669	.763	.103	.166	.243	.662	.834	.161	.341	.560	.365	.500	.684	.153	.184	.972
		F	.020	.160	.040	**-.250***	-.140	.020	-.010	-.050	.050	-.100	.000	-.080	-.040	.170	.060	.150
			.877	.114	.671	**.013**	.181	.884	.946	.635	.635	.319	.977	.437	.695	.097	.565	.135
FPC3	phase	M	.100	-.010	-.140	.120	.030	.050	-.060	.200	**-.300****	.050	.010	-.130	**-.220***	.130	.050	-.070
			.365	.929	.200	.256	.786	.618	.574	.068	**.005**	.673	.904	.239	**.037**	.218	.677	.514
		F	**-.200***	**-.220***	-.030	.080	.190	-.200	.090	.140	-.140	-.070	-.030	.060	.200	-.090	.090	-.110
			.049	**.029**	.787	.454	.071	.051	.395	.172	.184	.502	.741	.566	.057	.385	.361	.268
	amplitude	M	-.020	.100	.100	.070	-.070	.050	.150	-.020	.160	.020	-.010	.170	.160	-.130	.020	.110
			.848	.332	.356	.510	.500	.676	.170	.871	.126	.854	.935	.120	.136	.226	.850	.325
		F	.020	.140	.030	.120	-.170	.070	.090	-.120	.050	-.010	.040	.000	-.120	.100	**-.230***	-.050
			.824	.189	.735	.240	.094	.478	.372	.247	.654	.912	.695	.997	.263	.328	**.028**	.605

Table S5: Table of Spearman's correlation coefficients and p-values between individual variables of mothers (life-history features, face centroid size and score on Principal Components) and descriptors of the growth curves of their offspring (Functional Principal Components 1–3 phase and amplitude).
**. Correlation is significant at the 0.01 level.
*. Correlation is significant at the 0.05 level.

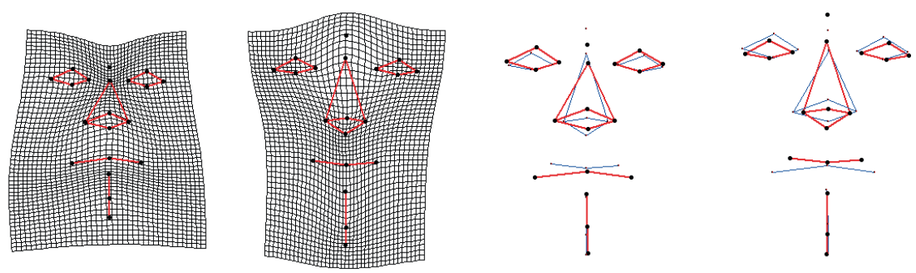
Spearman correlation		Sex	Height	Weight	Head circumf.	Head width	Head length	Head height	Ft - ft	Zy - zy	Go - go	PFL	MFL	Nose to chin	Nose width	Nose height	Mouth width	Mouth height
FPC1	phase	M	-.140	-.070	-.030	-.200	-.040	-.010	.070	.030	.010	-.020	-.150	-.070	.060	-.050	-.020	.010
			.207	.545	.775	.066	.683	.941	.495	.780	.905	.868	.151	.492	.607	.676	.855	.940
		F	.090	-.030	.120	.050	.070	.050	**.270****	.040	.010	.150	.180	.190	.010	.050	.040	.020
			.405	.739	.246	.659	.497	.627	**.008**	.676	.916	.150	.084	.068	.941	.608	.724	.870
	amplitude	M	**.540****	**.340****	.170	**.210***	.180	**.250***	.030	.210	.060	.160	.200	**.210***	-.060	.160	.070	.110
			.000	**.001**	.122	**.049**	.103	**.019**	.756	.052	.581	.135	.060	**.047**	.578	.147	.546	.317
		F	**.420****	.150	.080	.050	-.080	-.010	-.070	-.090	.030	-.040	.100	.050	.070	.120	.040	**.210***
			.000	.148	.448	.612	.444	.959	.517	.401	.747	.679	.350	.620	.509	.241	.725	**.042**
FPC2	phase	M	**-.250***	**-.220***	-.070	-.040	-.170	**-.240***	-.010	-.190	-.140	-.100	.040	.030	.120	-.020	-.010	-.150
			.020	**.044**	.506	.677	.124	**.027**	.940	.082	.182	.369	.741	.787	.262	.874	.904	.152
		F	.140	.080	.080	**.240***	-.050	.050	.040	-.070	.010	.060	.010	.060	.160	.100	.020	.020
			.169	.465	.465	**.019**	.651	.620	.724	.499	.924	.533	.948	.553	.111	.329	.883	.843
	amplitude	M	.030	-.040	.050	-.040	.150	.130	.040	.120	.060	.080	-.160	-.120	-.130	-.080	.140	.130
			.761	.722	.630	.716	.154	.223	.686	.254	.598	.436	.130	.281	.235	.459	.201	.215
		F	**-.420****	-.140	-.160	**-.220***	.050	-.020	-.130	.070	-.080	-.080	-.160	**-.260****	**-.260***	-.190	-.080	-.200
			.000	.165	.112	**.030**	.634	.830	.207	.510	.433	.440	.130	**.009**	**.011**	.068	.462	.050
FPC3	phase	M	.010	.030	.050	.010	.030	.030	.040	.050	.050	.010	.030	-.110	-.060	.090	-.120	.050
			.945	.808	.620	.912	.815	.798	.716	.625	.630	.904	.808	.324	.588	.429	.266	.666
		F	.090	-.080	-.020	.090	-.050	.140	-.070	-.030	-.180	.010	.100	.170	-.150	.030	-.120	-.090
			.364	.423	.868	.407	.636	.165	.474	.767	.076	.930	.353	.102	.136	.785	.260	.394
	amplitude	M	**.250***	.110	.030	-.050	-.030	.020	.080	.040	.160	-.060	.080	.080	.180	.130	-.020	.030
			.020	.310	.768	.636	.782	.875	.479	.717	.131	.548	.440	.432	.092	.229	.829	.769
		F	.150	.140	**.220***	-.020	**.250***	-.010	**.250***	-.010	**.320****	.050	.150	.050	.170	.060	**.220***	.040
			.133	.187	**.031**	.837	**.015**	.955	**.013**	.942	**.002**	.659	.148	.662	.095	.559	**.032**	.711

Table S6: Table of Spearman's correlation coefficients and p-values between individual variables of mothers (anthropometric measurements) and descriptors of the growth curves of their offspring (Functional Principal Components 1–3 phase and amplitude).
**. Correlation is significant at the 0.01 level.
*. Correlation is significant at the 0.05 level.

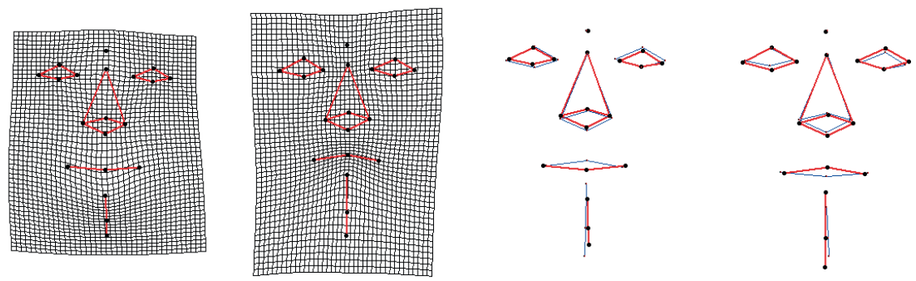
A	B	C	D



PC3: Head rotation (13.1%)

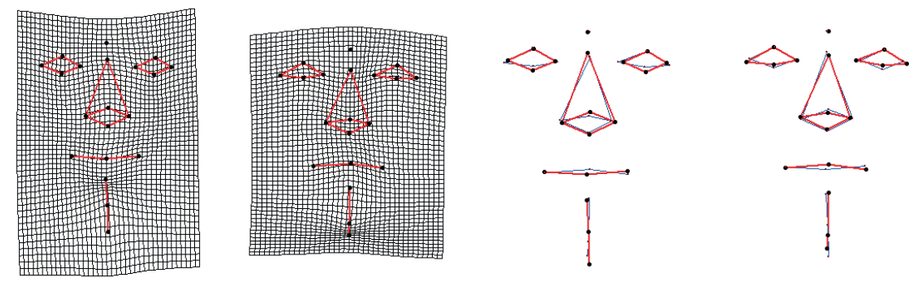


PC5: Glabella position and nose width (5.1%)

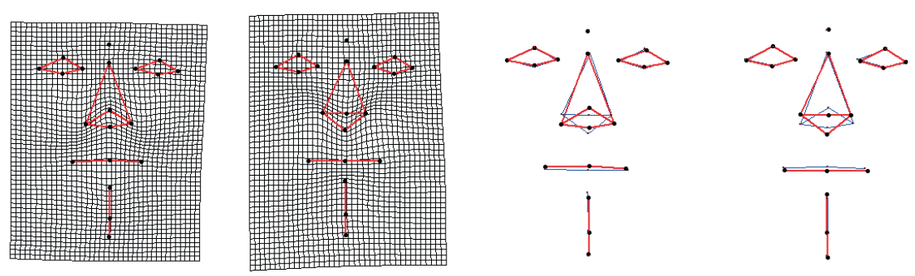


PC8: Chin height (distance between sublabiale and pogonion, 3.2%)

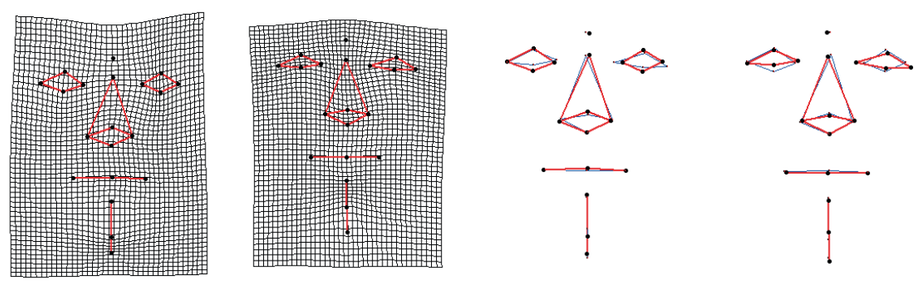
A	B	C	D



PC12: Eye shape (1.5%)



PC13: Nose alar position (1.4%)



PC14: Chin shape (distance between pogonion and gnathion, 1.2%)

Table S7: Visualization of the difference between the reference and target shape (A, C from minimum to maximum and B, D from maximum to minimum of the score represented by given component) on the Principal Components which significantly correlated with descriptors of the growth curves of offspring, shown by the thin-plate spline (TPS) method (left) and the points method (right), and percentage of explained variance (R-package geomorph, Adams et al. 2020).

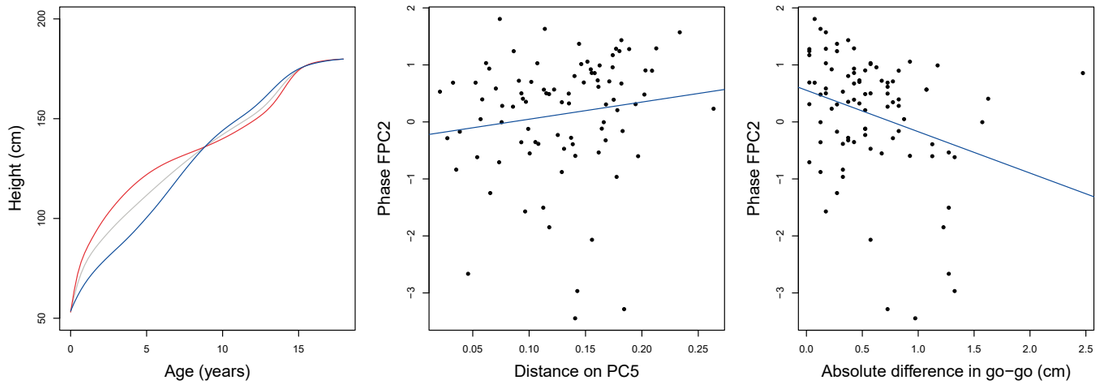


Figure S1: Phase FPC2 growth curve variations in boys and respective relationships in parents. Mean growth curve is marked grey, red curve represents positive values (+ 3SD), and blue curve represents negative values (− 3SD) within the curve change represented by individual Functional Principal Component (FPC).

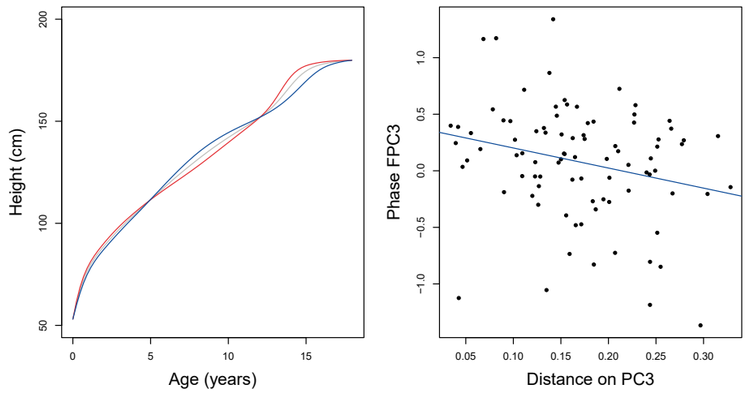


Figure S3: Phase FPC3 growth curve variations in boys and respective relationships in parents. Mean growth curve is marked grey, red curve represents positive values (+ 3SD), and blue curve represents negative values (− 3SD) within the curve change represented by individual Functional Principal Component (FPC).

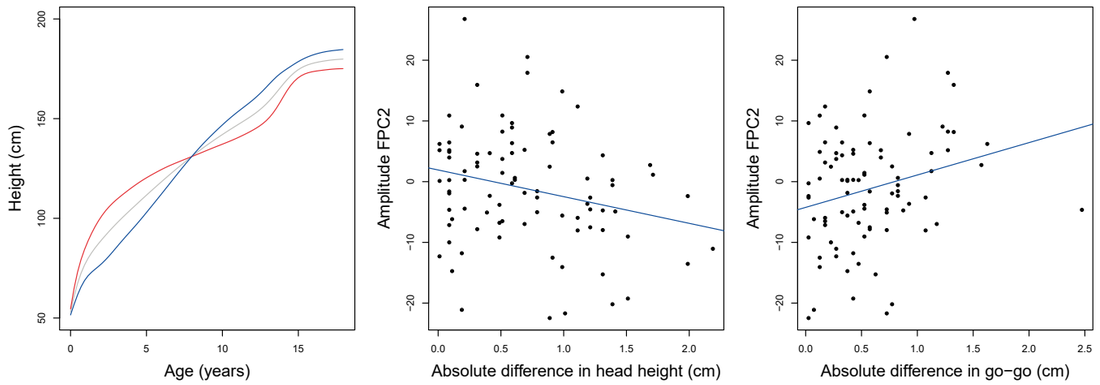


Figure S2: Amplitude FPC2 growth curve variations in boys and respective relationships in parents. Mean growth curve is marked grey, red curve represents positive values (+ 3SD), and blue curve represents negative values (− 3SD) within the curve change represented by individual Functional Principal Component (FPC).

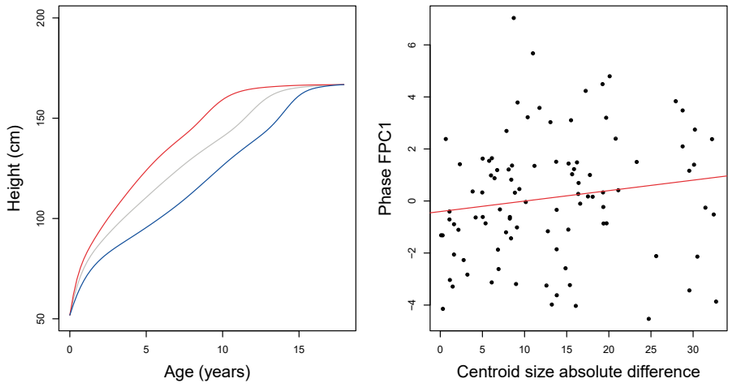


Figure S4: Phase FPC1 growth curve variations in girls and respective relationships in parents. Mean growth curve is marked grey, red curve represents positive values (+ 3SD), and blue curve represents negative values (− 3SD) within the curve change represented by individual Functional Principal Component (FPC).

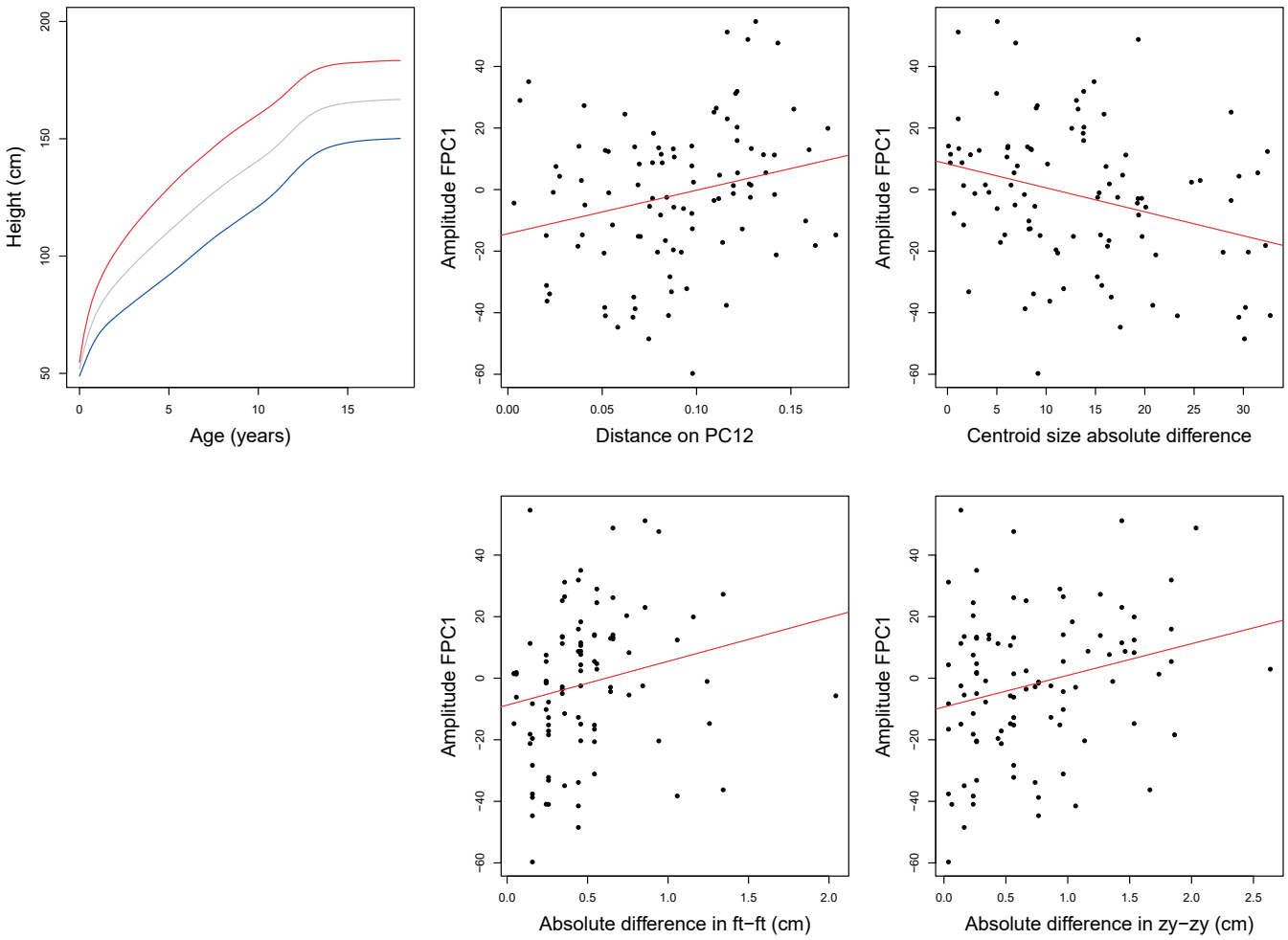


Figure S5: Amplitude FPC1 growth curve variations in girls and respective relationships in parents. Mean growth curve is marked grey, red curve represents positive values (+ 3SD), and blue curve represents negative values (− 3SD) within the curve change represented by individual Functional Principal Component (FPC).

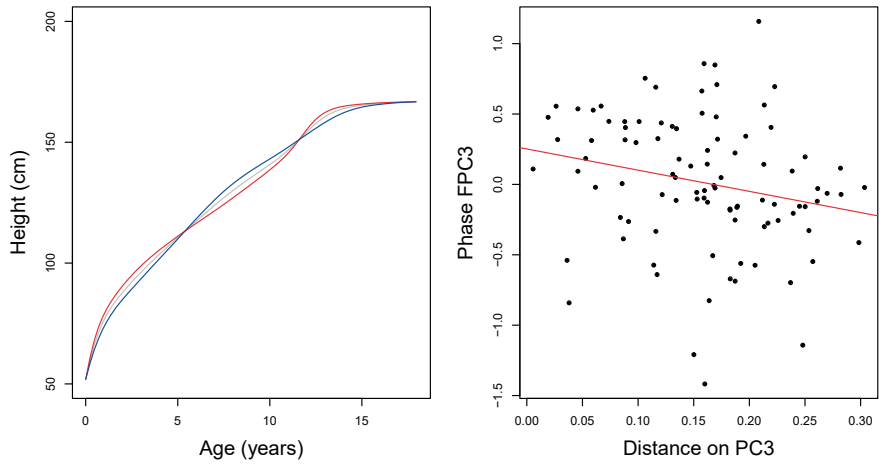


Figure S6: Phase FPC3 growth curve variations in girls and respective relationships in parents. Mean growth curve is marked grey, red curve represents positive values (+ 3SD), and blue curve represents negative values (− 3SD) within the curve change represented by individual Functional Principal Component (FPC).