

Supplemental Material

Oto-facial syndrome and esophageal atresia, intellectual disability and zygomatic anomalies - expanding the phenotypes associated with *EFTUD2* mutations

Supplementary Figure 1:

Craniofacial phenotype of patients without *EFTUD2* mutation. A. Patient 13 with mild right-sided hemifacial microsomia. B-D- Patient 17 with bilateral cleft lip/palate, right-sided microtia and left-sided preauricular tags. E, F. Patient 21 with right-sided hemifacial microsomia and microtia at both sides. G, H. Patient 15 with left-sided hemifacial microsomia and left-sided mirror-ear.



Supplementary Table 1: All reported *EFTUD2* mutations organized to their location within the gene and the associated clinical findings

	Patient / Case [ref]	nucleotide position	amino acid substitution	microcephaly	short stature	ID	thumb anomaly	esophageal atresia	CHD
1	Patient 8 [this report]	c.253-1G>A	splice	+	-	Mild	-	+	-
2	Patient 2 [9]	c.351-1G>T	splice	+	+	mod. to severe	-	-	+
3	Patient 6 [this report]	c.594T>G	p.Tyr198*	+	-	moderate	-	+	+
4	Case 6 [3]	c.619+1G>A	splice	+	-	+	-	+	-
5	Case 7 [3]	c.623A>G	p.His208Arg	+	-	++	-	+	-
6	Case 10 [3]	c.670G>A	p.Gly224Arg	+	-	++	-	-	-
7	Patient 7 [15]	c.698del	p.Glu233Glyfs*3	+	n.r.	+	-	-	+
8	Patient 2 [5]	c.784C>T	p.Arg262Trp	+	-	mild to moderate	-	-	+
9	Patient 6 [5]	c.784_787deldup788_799TGATCCTGGAGC	p.Arg262fs*1	+	+	+	+	-	+
10	Patient 1 [15]	c.994+5G>A	splice	+	n.r.	+	+	+	-
11	Patient 1-3 [this report]	c.994+1G>C	splice	+/-	-/+	mild/severe/-	-/-	+/-	+/-
12	Case 12 [3]	c.1058+3_1058+7del	?	-	-	-	+	+	+
13	Patient 7 [5]	c.1172_1179delIGCCTCCCA	p.Ser391Thrfs*57	+	-	moderate	-	-	+
14	Patient 3 [9]	c.1306C>G	p.Gln436Glu	+	+	Mild	+	-	-
15	Patient 12 [5]	c.1426T>C	p.Cys476Arg	+	-	moderate	+	-	-
16	Patient 10 [5]	c.1607+3A>G	p.Tyr537fs*25	+	-	mild to moderate	n.r.	-	+
17	Case 5 [3]	c.1705C>T	p.Arg569*	+	-	+	-	+	-
18	Patient 4 [5]	c.1758_1759delTG	p.Ser586Serfs*19	+	-	mod. to severe	n.r.	-	-
19	Patient 11 [5]	c.1910T>C	p.Leu637Arg	+	+	mild to moderate	-	-	-
20	Patient 8 [5]	c.2155C>T	p.Gln719*	+	-	moderate	-	-	-
21	Case 8 [3]	c.2198G>A	p.Trp733*	+	-	++	-	-	+
22	Case 3 [3]	c.2259+1G>A	splice	+	+	++	-	+	+
23	Case 9 [3]	c.2347+66A>G	?	-	-	+	-	+	+
24	Patient 1 [9]	c.2485G>A	p.Glu829Lys	-	-	Mild	+	-	-
25	Patient 9 [5]	c.2493C>A	p.Tyr831*	+	-	severe	+	-	+
26	Patient [8]	c.2495C>G	p.Tyr832*	+	n.r.	n.r.	+	-	n.r.
27	Patient 7 [this report]	c.2562-1G>C	splice	+	-	moderate	+	-	-
28	Case 4 [3]	c.2619_2621delinsGGTC	p.Phe874Valfs*11	+	-	++	+	-	-
29	Patient 4,5 [this report]	c.2622dupT	p.Ile875Tyrfs*10	+/n.r.	-/n.r.	mild/mild	-/-	+/-	n.r./n.r.
30	Patient 3 [5]	c.2770C>T	p.Glu924*	+	-	Mild	+	-	-
31	Case 11 [3]	c.2823+1del	splice	n.r./+	n.r./-	n.r./+	-/-	+/-	-/-
32	Patient 5 [5]	deletion of 10 genes, including <i>EFTUD2</i>		+	-	moderate to severe	n.r.	-	+
33	Case 1 [3]	deletion of 4 genes, including <i>EFTUD2</i>		-	-	++	-	+	-
34	Case 2 [3]	deletion of 4 genes, including <i>EFTUD2</i>		+	n.r.	++	-	+	+
35	Patient 1 [5]	deletion of the last 9 exons of <i>EFTUD2</i>		+	-	+	+	-	-
				32/37	6/33	2/37	12/36	15/39	16/36

We changed the mutations from Luquetti et al. according to the described genomic position.

