

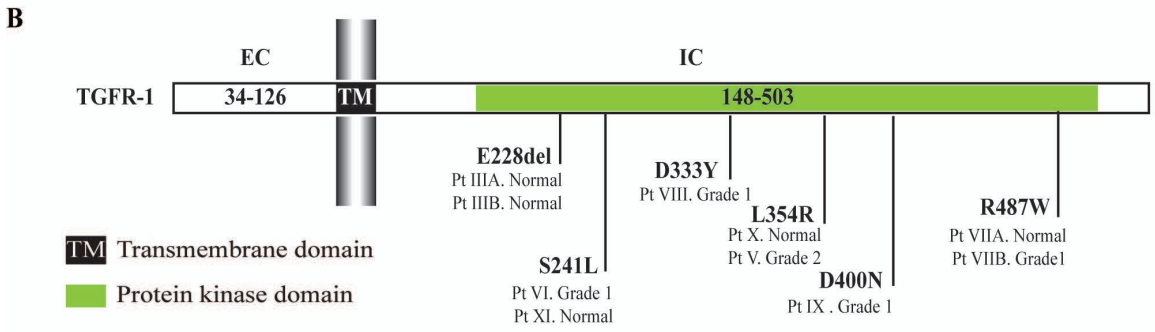
Supplementary Table 1. Data for individual patients

Patient	LDS Type	Age	Sex	Grade	Delayed Eruption	Crowding	Occlusion	Orthodontic Treatment	Mandibular Projection	Palate Height	Uvula	Palate Shape	Deep Bite	Cleft Palate	Hyper-sensitivity	Gingivitis	TMJ Abnormal
I	1	6.1	M	1	No	Absent	Class 1	Yes	Retrognathic	High	Bifid	Normal	Present	Absent	Present	Normal	Absent
IIA	1	37.1	F	0	No	Mild	Class 2	No	Retrognathic	High	Bifid	Narrow	Absent	Absent	Present	Gingivitis	Present
IIB	1	6.8	M	1	No	Absent	Class 2	No	Retrognathic	High	Bifid	Narrow	Absent	Absent	Present	Normal	Absent
IIIA	1	17.1	F	0	No	Absent	Class 2	No	Retrognathic	High	Normal	Normal	Absent	Absent	Absent	Gingivitis	Present
IIIB	1	41.9	F	0	No	Absent	Class 1	Yes	Retrognathic	High	Normal	Normal	Absent	Absent	Absent	Gingivitis	Absent
IV	1	12.9	M	0	No	Absent	Class 1	No	Normal	High	Normal	Normal	Absent	Absent	Absent	Gingivitis	Present
V	1	11.9	F	1	No	Absent	Class 2	Yes	Retrognathic	High	Normal	Narrow	Present	Absent	Present	Gingivitis	Absent
VI	1	8.6	F	1	No	Absent	Class 2	No	Retrognathic	High	Bifid	Narrow	Present	Absent	Absent	Normal	Absent
VIIA	1	55	M	1	No	Absent	Class 2	Yes	Retrognathic	High	Normal	Normal	Absent	Absent	Present	Normal	Present
VIIIB	1	16.3	M	0	No	Absent	Class 1	Yes	Retrognathic	High	Normal	Normal	Absent	Absent	Absent	Gingivitis	Present
VIII	1	3.7	M	2	No	Absent	Class 1	Yes	Retrognathic	High	Bifid	Normal	Present	Absent	Present	Normal	Absent
IX	1	14.2	F	1	No	Absent	Class 3	No	Retrognathic	High	Normal	Narrow	Present	Absent	Present	Gingivitis	Present
X	1	5.5	M	0	No	Absent	Class 1	Yes	Retrognathic	High	Normal	Narrow	Absent	Absent	Absent	Normal	Absent
XI	1	6.7	M	0	No	Absent	Class 2	Yes	Retrognathic	High	Normal	Narrow	Present	Present	Absent	Gingivitis	Absent
XII	1	17	M	0	No	Absent	Class 2	Yes	Retrognathic	High	Bifid	Narrow	Absent	Absent	Present	Gingivitis	Absent
XIIIA	2	44.3	M	2	No	Absent	Class 1	No	Retrognathic	High	Normal	Narrow	Absent	Absent	Present	Gingivitis	Present
XIIIB	2	11.1	F	0	Yes	Absent	Class 2	No	Retrognathic	Normal	Bifid	Narrow	Present	Absent	Absent	Normal	Absent
XIV	2	21.6	F	4	No	Absent	Class 2	No	Retrognathic	High	Bifid	Narrow	Absent	Absent	Present	Gingivitis	Present
XV	2	7.1	F	0	No	Mild	Class 2	No	Retrognathic	High	Normal	Narrow	Absent	Absent	Absent	Gingivitis	Present
XVI	2	10.7	M	3	No	Absent	Class 2	No	Retrognathic	High	Normal	Narrow	Absent	Present	Present	Gingivitis	Present
XVII	2	17.3	F	1	No	Mild	Class 3	No	Normal	High	Bifid	Narrow	Present	Absent	Absent	Gingivitis	Absent
XVIII	2	11.2	M	4	Yes	Absent	Class 2	Yes	Retrognathic	High	Bifid	Narrow	Present	Present	Present	Normal	Absent
XIX	2	13.3	F	3	Yes	Absent	Class 2	No	Retrognathic	High	Bifid	Narrow	Absent	Absent	Present	Gingivitis	Absent
XX	2	16.1	F	3	No	Absent	Class 1	No	Retrognathic	High	Bifid	Narrow	Present	Absent	Present	Gingivitis	Absent
XXI	2	3.2	F	0	No	Absent	Class 2	No	Retrognathic	Normal	Normal	Normal	Absent	Present	Absent	Normal	Absent
XXII	2	12.6	F	1	No	Absent	Class 2	Yes	Retrognathic	High	Bifid	Narrow	Present	Absent	Absent	Gingivitis	Absent
XXIII	2	57.4	F	0	No	Absent	Class 1	Yes	Retrognathic	High	Normal	Narrow	Absent	Absent	Present	Gingivitis	Present
XXIV	2	8.9	M	1	No	Absent	Class 1	Yes	Retrognathic	High	Bifid	Narrow	Absent	Absent	Absent	Normal	Absent
XXV	2	12.4	F	2	Yes	Moderate	Class 2	No	Retrognathic	High	Bifid	Narrow	Present	Present	Absent	Normal	Absent
XXVIA	3	19.8	M	1	No	Severe	Class 1	Yes	Retrognathic	Normal	Normal	Normal	Absent	Absent	Present	Gingivitis	Absent
XXVIB	3	35.5	F	1	No	Mild	Class 2	No	Retrognathic	Normal	Normal	Normal	Absent	Absent	Present	Normal	Present
XXVIC	3	3.8	M	0	No	Absent	Class 2	No	Normal	Normal	Normal	Normal	Absent	Absent	Absent	Normal	Absent
XXVII	4	25.6	F	1	No	Absent	Class 2	No	Retrognathic	High	Normal	Normal	Absent	Absent	Present	Normal	Present
XXVIIIA	4	4.9	F	0	No	Mild	Class 1	Yes	Retrognathic	Normal	Normal	Normal	Present	Absent	Absent	Absent	Absent
XXVIIIB	4	39.8	M	1	No	Absent	Class 2	No	Normal	High	Normal	Narrow	Absent	Absent	Absent	Absent	Absent
XXVIIIC	4	2.4	F	0	No	Absent	Class 2	Yes	Retrognathic	High	Normal	Normal	Absent	Absent	Absent	Absent	Absent
XXIXA	4	38.2	M	1	No	Absent	Class 1	Yes	Normal	High	Normal	Normal	Absent	Absent	Absent	Normal	Absent
XXIXB	4	2.4	M	0	No	Absent	Class 1	Yes	Retrognathic	Normal	Normal	Normal	Absent	Absent	Absent	Absent	Absent
XXIXC	4	4.4	M	0	No	Absent	Class 1	No	Normal	High	Normal	Narrow	Absent	Absent	Absent	Absent	Absent
XXX	5	37.5	M	0	No	Absent	Class 1	No	Normal	High	Normal	Narrow	Present	Absent	Present	Gingivitis	Present

Supplementary Table 2: Distribution by age group and gender

	Age Group			Total n= 40	Gender	
	Child n=17	Adolescence n=12	Adult n=11		Males n=20	Females n=20
Enamel defects	7 (41.2%)	8 (66.6%)	7 (63.6%)	22 (55.0%)	11 (55.0%)	11 (55.0%)
Delayed Eruption	2 (11.8%)	2 (16.6%)	0 (0.0%)	4 (10.0%)	1 (5.0%)	3 (15.0%)
Crowding	2 (11.8)	2 (16.6%)	3 (27.2%)	7 (17.5%)	1 (5.0%)	6 (30.0%)
Mandibular Retrognathia	15 (88.2%)	9 (75.0%)	8 (72.7%)	32 (80%)	14 (70.0%)	18 (90.0%)
High Palate	12 (70.6%)	11 (91.6%)	9 (81.8%)	32 (80%)	17 (85.0%)	15 (75.0%)
Abnormal Uvula	7 (41.2%)	6 (50.0%)	1 (9.0%)	14 (35.0%)	6 (30.0%)	8 (40.0%)
Narrow Palate	10 (58.8%)	8 (66.6%)	5 (45.5%)	23 (57.5%)	11 (55.0%)	12 (60.0%)
Deep Bite	7 (41.2%)	5 (41.6%)	1 (9.0%)	13 (32.5%)	5 (25.0%)	8 (40.0%)
Cleft Palate	4 (23.5%)	0 (0.0%)	0 (0.0%)	4 (10.0%)	3 (15.0%)	1 (5.0%)
Hypersensitivity	<b>5 (29.4%)</b>	<b>6 (50.0%)</b>	<b>8 (72.7%)</b>	19(47.5%)	10 (50.0%)	9 (45.0%)
Gingivitis	<b>3 (17.6%)</b>	<b>11 (91.6%)</b>	<b>6 (54.5%)</b>	20 (50%)	8 (40.0%)	12 (60.0%)
TMJ Abnormality	<b>2 (11.8%)</b>	<b>5 (41.6%)</b>	<b>7 (63.6%)</b>	14 (35.0%)	6 (30.0%)	8 (40.0%)

Frequencies showing major difference between groups are in bold



**Supplementary Figure 1**



**Supplementary Figure 2**