

Table SI. *ARCI* with ALOXE3 mutations

Family	Mutation			Phenotype	<i>n</i> *	Country	Ref. No.
1	p.Val500Phe	p.Val500Phe	Homo	CIE	3	Turkey	3
2	p.Arg234X	p.Arg234X	Homo	CIE	1	France	3
3	p.Arg396Ser	p.Arg396Ser	Homo	CIE	1	North Africa	3
4	p.Arg234X	p.Gly281Val	Compound hetero	ND	1	Czech Republic	4
5	p.Arg234X	p.Arg234X	Homo	CIE	1	Czech Republic	4
6	p.Leu237Met	p.Leu237Met	Homo	CIE	1	Indian subcontinent	4
7	p.Gln544X	p.Gln544X	Homo	ND	5	India	4
8	p.630Leu	p.630Leu	Homo	CIE/LI	4	Germany	4
9	p.630Leu	p.630Leu	Homo	CIE	1	Germany	4
10	p.Arg234X	p.630Leu	Compound hetero	LI	1	Germany	5
11	p.Gln344_Ala347delinsPro	p.Gln344_Ala347delinsPro	Homo	LI	1	UAE	5
12	p.Arg234X	p.630Leu	Compound hetero	CIE/LI	2	Germany	5
13	p.Arg234X	p.630Leu	Compound hetero	CIE	1	Germany	5
14	p.Arg234X	p.630Leu	Compound hetero	CIE	1	Germany	5
15	p.630Leu	p.630Leu	Homo	CIE	1	Germany	5
16	p.630Leu	p.630Leu	Homo	CIE	1	Germany	5
17	p.Arg234X	p.Arg234X	Homo	CIE	1	Austria	5
18	p.Lys240ArgfsX40	p.Pro630Leu	Compound hetero	CIE	1	Germany	5
19	p.Arg234X	p.Arg234X	Homo	CIE	1	Germany	5
20	p.630Leu	p.630Leu	Homo	CIE	1	Germany	5
21	p.Arg119GlyfsX12	p.Arg119GlyfsX12	Homo	ND	1	Sri Lanka	5
22	p.Cys109X	p.630Leu	Compound hetero	SICI	1	Sweden or Denmark	6
23	p.Leu427Pro	=	Hetero	SICI	1	Sweden or Denmark	6
24	p.Arg234X	p.630Leu	Compound hetero	SICI	1	Sweden or Denmark	6
25	p.Leu237Met	=	Hetero	LI	1	Spain	7
26	p.Arg119GlyfsX12	p.Arg234X	Compound hetero	CIE	1	Spain	7
27	p.Gln344_Ala347delinsPro	p.Gln344_Ala347delinsPro	Homo	CIE	1	Israel	8
28	p.Gln344_Ala347delinsPro	p.Gln344_Ala347delinsPro	Homo	CIE	1	Israel	8
29	p.Leu331Pro	p.Leu331Pro	Homo	LI	1	Japan	Present

\*Number of patients with identified ALOXE3 mutations.

CIE: congenital ichthyosiform erythroderma; ND: not described; LI: lamellar ichthyosis; SICI: self-improving collodion ichthyosis.