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**Supplemental Data**

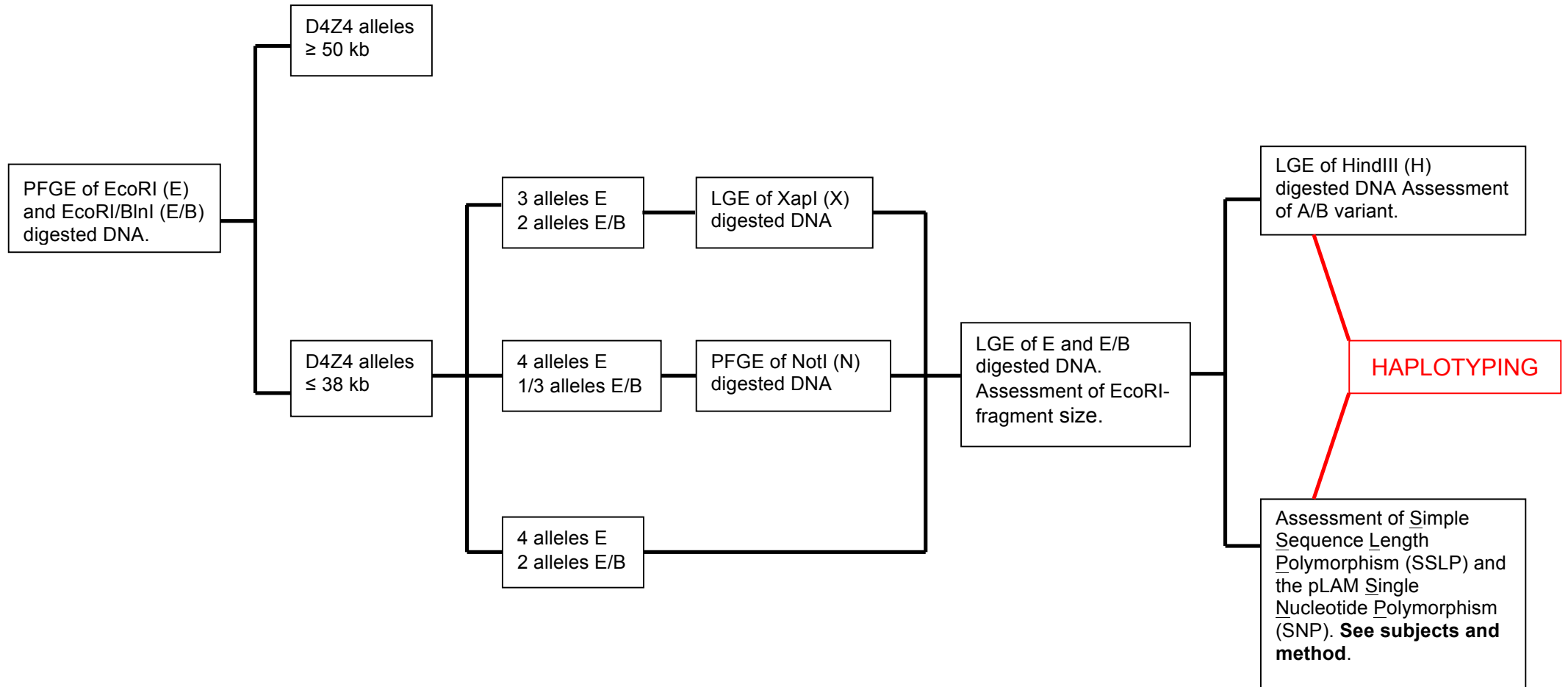
**Large-Scale Population Analysis Challenges**

**the Current Criteria for the Molecular Diagnosis**

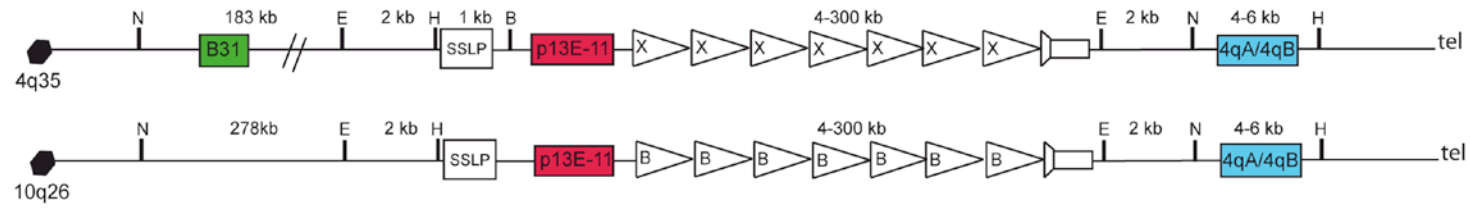
**of Fascioscapulohumeral Muscular Dystrophy**

**Isabella Scionti, Francesca Greco, Giulia Ricci, Monica Govi, Patricia Arashiro, Liliana Vercelli, Angela Berardinelli, Corrado Angelini, Giovanni Antonini, Michelangelo Cao, Antonio Di Muzio, Maurizio Moggio, Lucia Morandi, Enzo Ricci, Carmelo Rodolico, Lucia Ruggiero, Lucio Santoro, Gabriele Siciliano, Giuliano Tomelleri, Carlo Pietro Trevisan, Giuliana Galluzzi, Woodring Wright, Mayana Zatz, and Rossella Tupler**

**Figure S1:** Strategy for D4Z4 genotyping and haplotyping of FSHD patients and healthy controls.



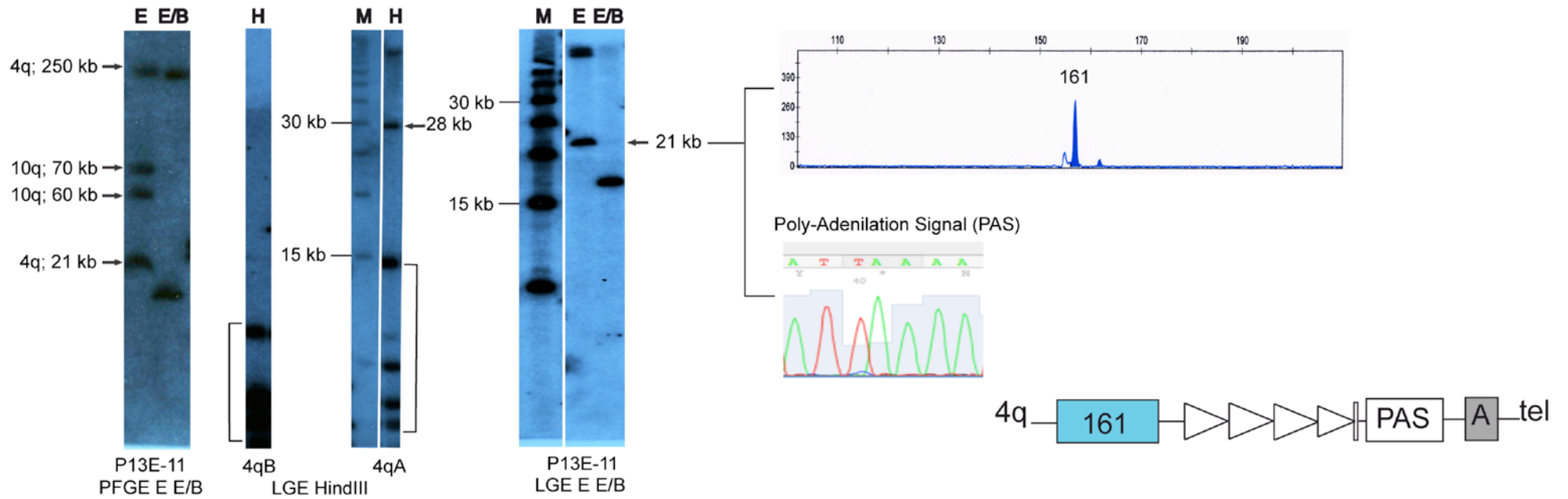
**Figure S2:** Example of genotype and haplotype.



EcoRI fragment size + 185 kb = 4q35 NotI fragment size

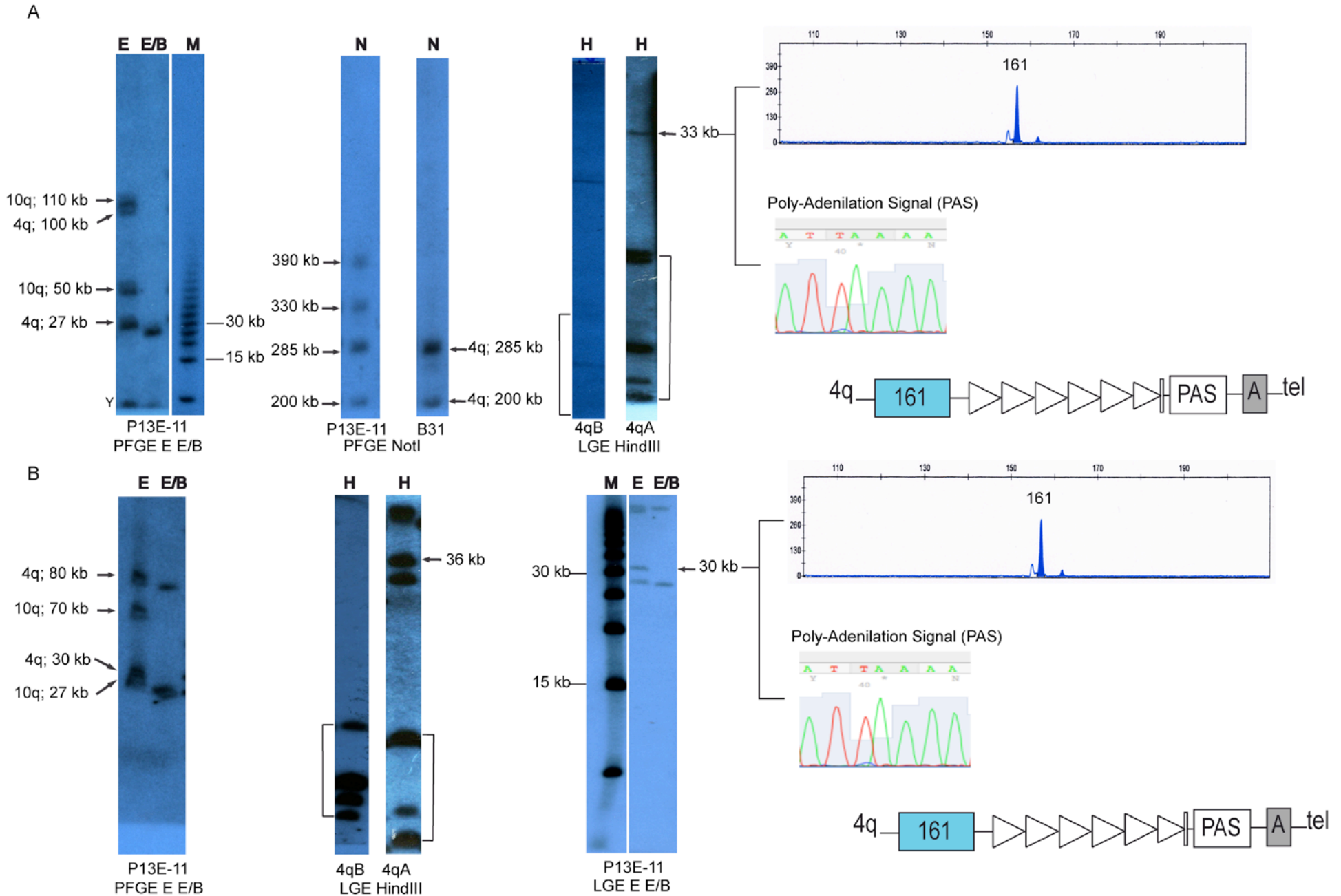
EcoRI fragment size + 280 kb = 10q26 NotI fragment size

EcoRI fragment size + 6 kb = 4q35/10q26 HindIII fragment size



Healthy control with a D4Z4 allele of 21 Kb and 4A161PAS haplotype. Non-4q and 10q cross-hybridizing fragments with probes 4qA and 4qB are in brackets.

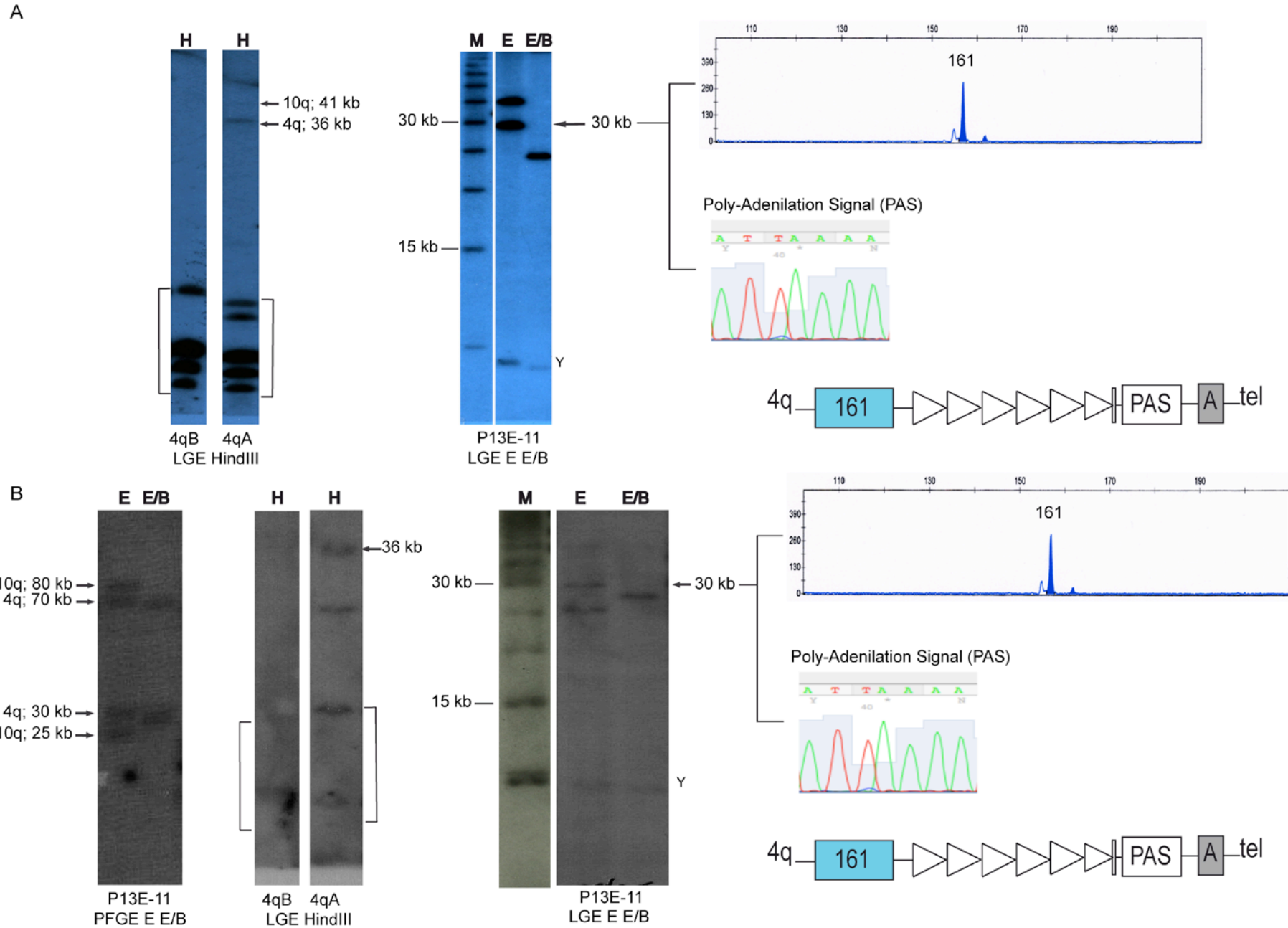
**Figure S3:** Examples of genotype and haplotype.



A) Healthy control with a D4Z4 allele of 27 kb and 4A161PAS haplotype; B) Healthy control with a D4Z4 allele of 30 kb and 4A161PAS haplotype. Non-4q and -10q cross-hybridization fragments with probes 4qA and 4qB are in brackets. Cross-hybridizing Y-chromosome-derived fragments with probe p13E-11 in male are indicated as “Y”.

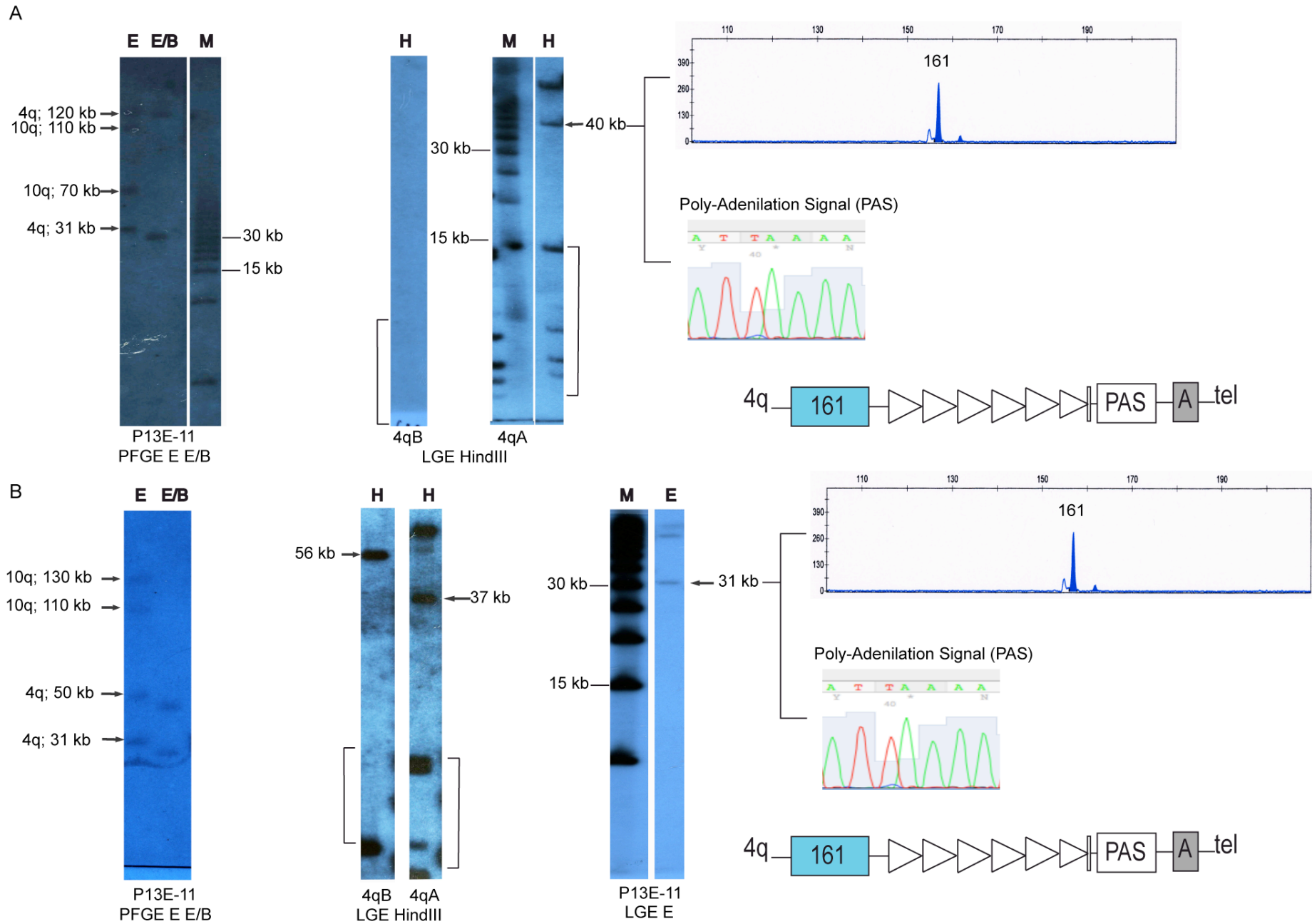


**Figure S4:** Examples of genotype and haplotype.



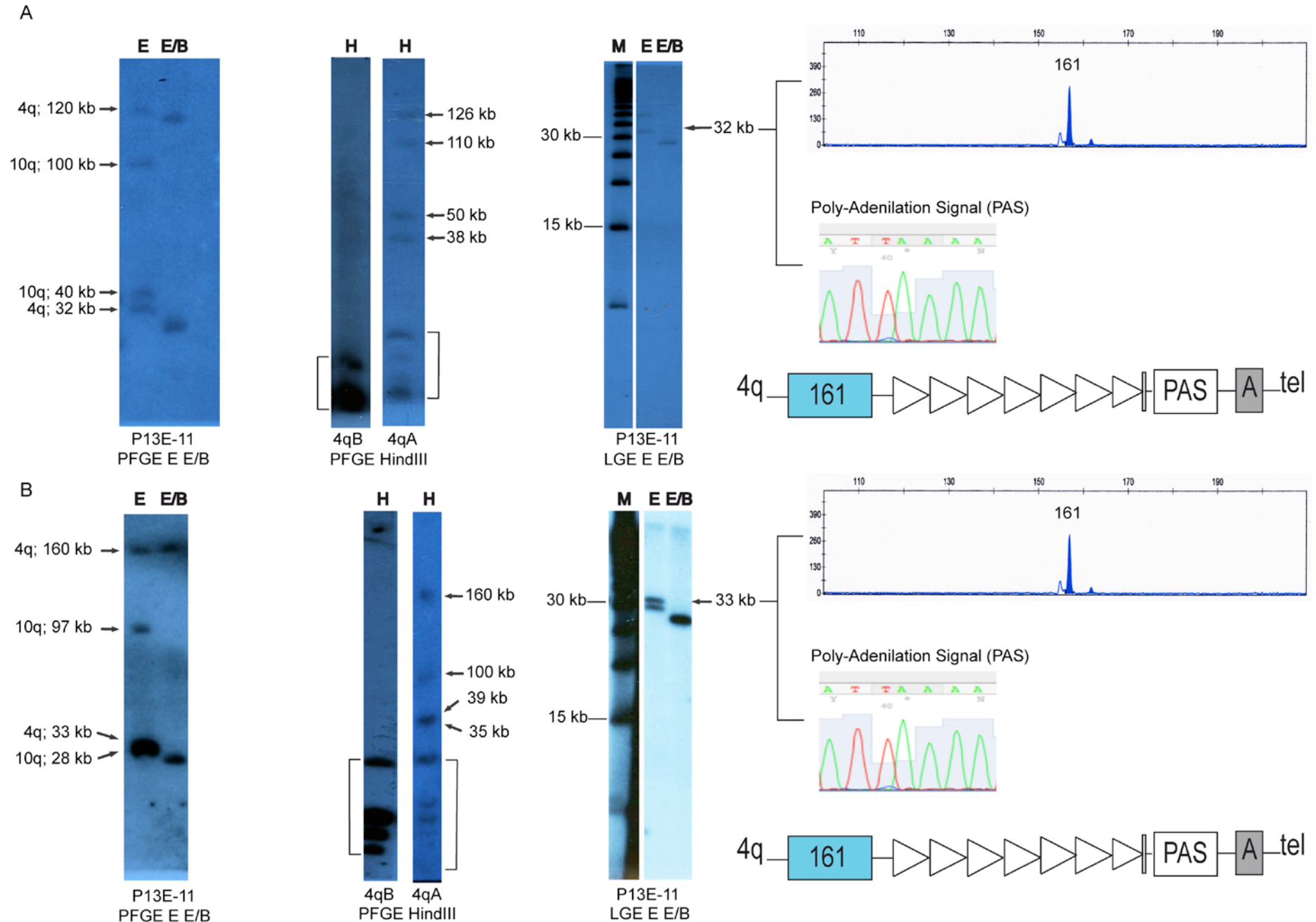
A) Healthy control with a D4Z4 allele of 27 kb and 4A161PAS haplotype; B) Healthy control with a D4Z4 allele of 30 kb and 4A161PAS haplotype. Non-4q and -10q cross-hybridization fragments with probes 4qA and 4qB are in brackets. Cross-hybridizing Y-chromosome-derived fragments with probe p13E-11 in male are indicated as “Y”.

**Figure S5:** Examples of genotype and haplotype.



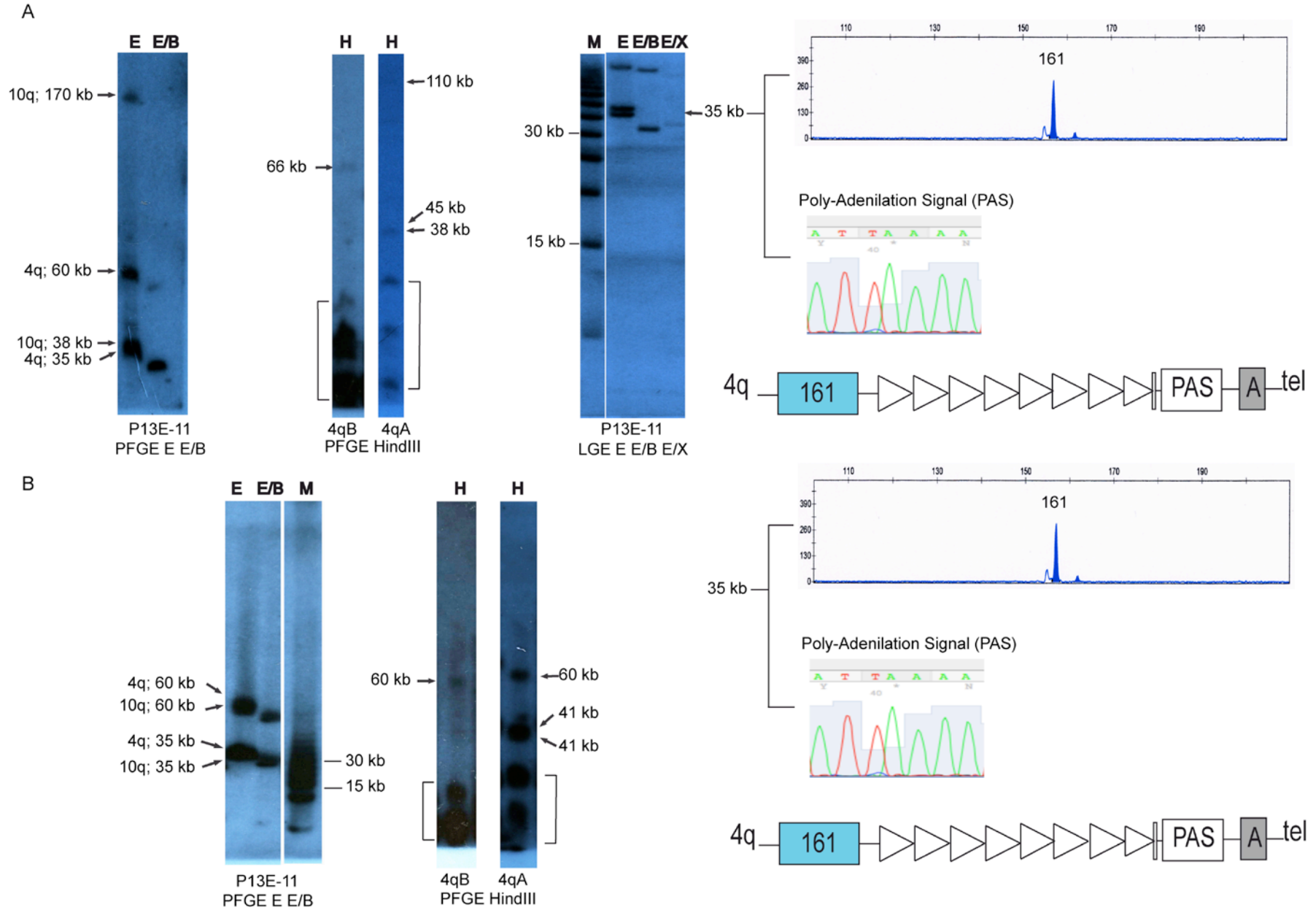
A) Healthy control with a D4Z4 allele of 33 kb and 4A161PAS haplotype; B) Healthy control with a D4Z4 allele of 31 kb and 4A161PAS haplotype. Non-4q and -10q cross-hybridization fragments with probes 4qA and 4qB are in brackets.

**Figure S6:** Examples of genotype and haplotype.



A) Healthy control with a D4Z4 allele of 32 kb and 4A161PAS haplotype; B) Healthy control with a D4Z4 allele of 33 kb and 4A161PAS haplotype. Non-4q and -10q cross-hybridization fragments with probes 4qA and 4qB are in brackets.

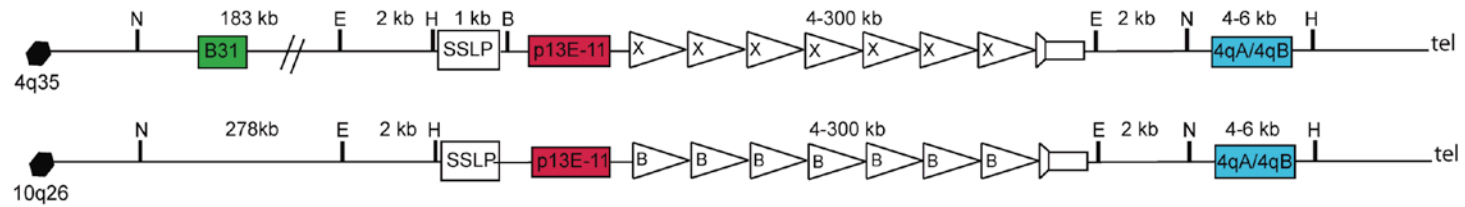
**Figure S7:** Examples of genotype and haplotype.



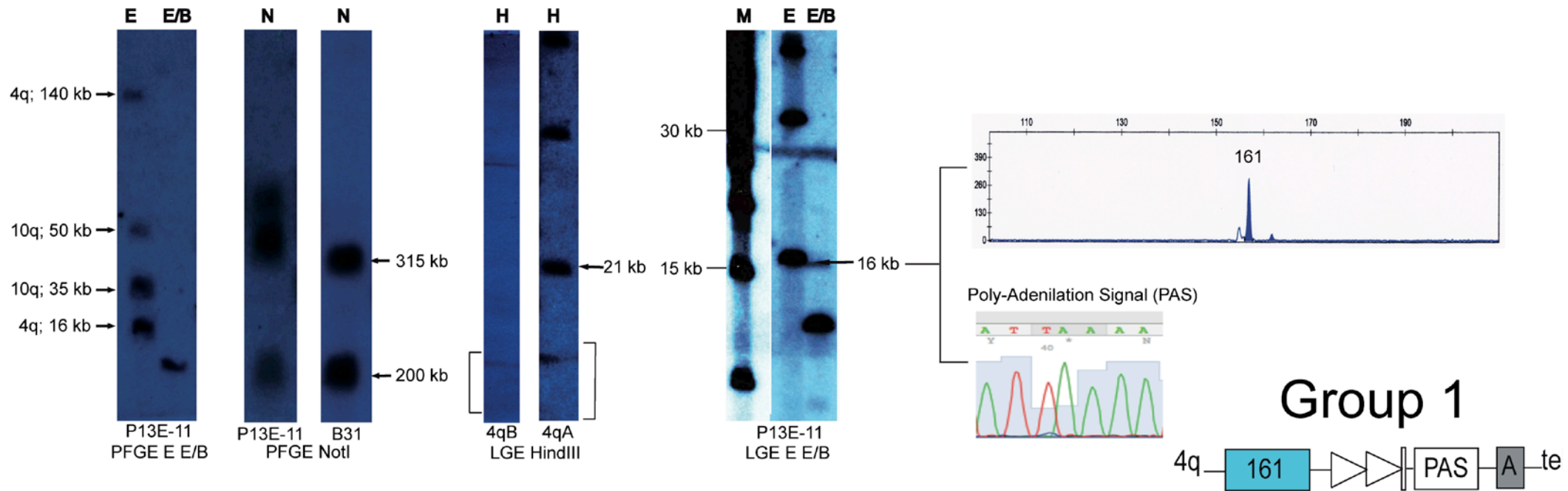
A) Healthy control with a D4Z4 allele of 35 kb and 4A161PAS haplotype; B) Healthy control with a D4Z4 allele of 35 kb and 4A161PAS haplotype. Non-4q and -10q cross-hybridization fragments with probes 4qA and 4qB are in brackets.



**Figure S8:** Example of genotype and haplotype.



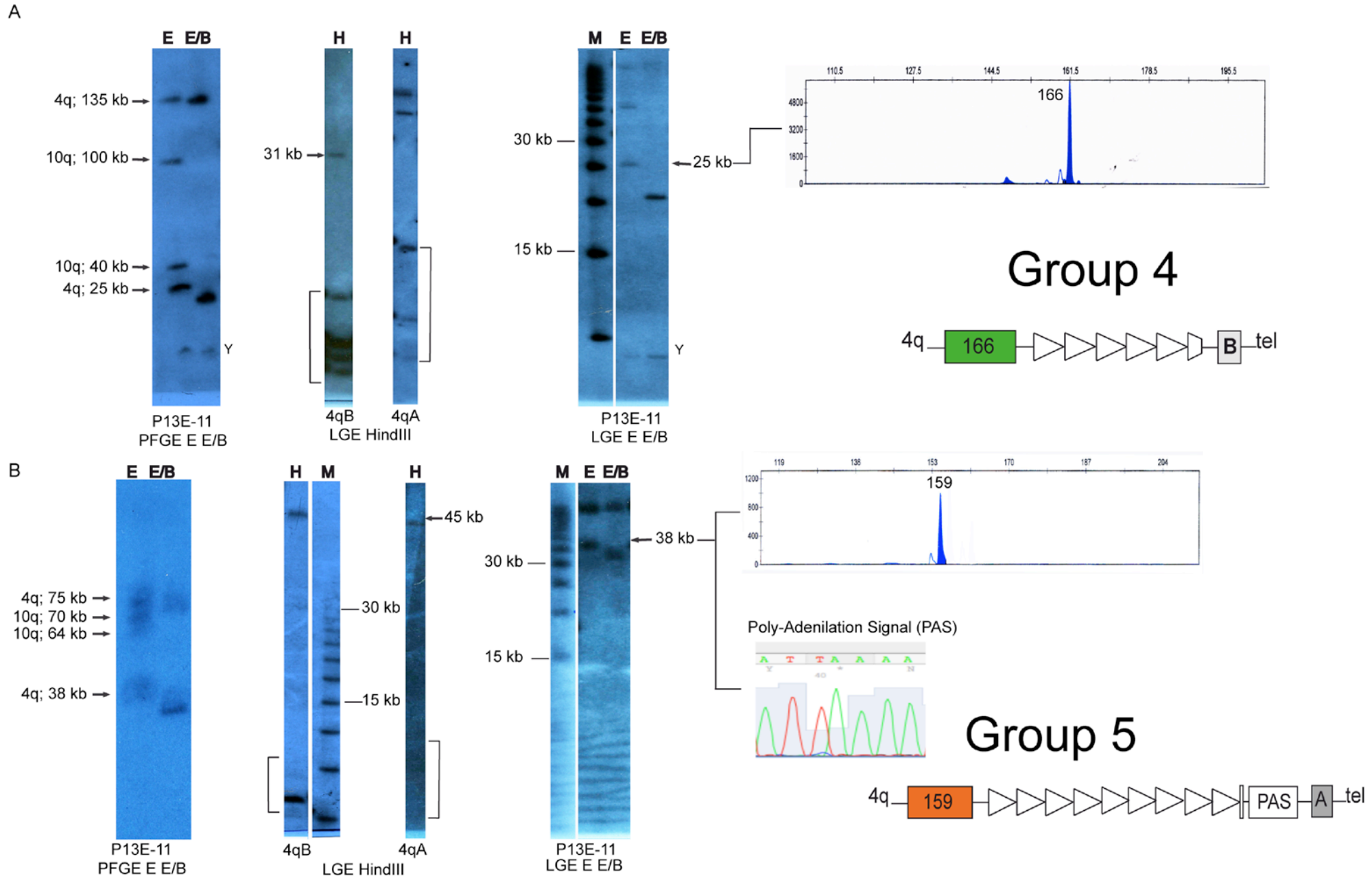
EcoRI fragment size + 185 kb = 4q35 NotI fragment size    EcoRI fragment size + 280 kb = 10q26 NotI fragment size    EcoRI fragment size + 6 kb = 4q35/10q26 HindIII fragment size



FSHD patient with a D4Z4 allele of 16 kb and 4A161PAS haplotype. Non-4q and -10q cross-hybridization fragments with probes 4qA and 4qB are in brackets.

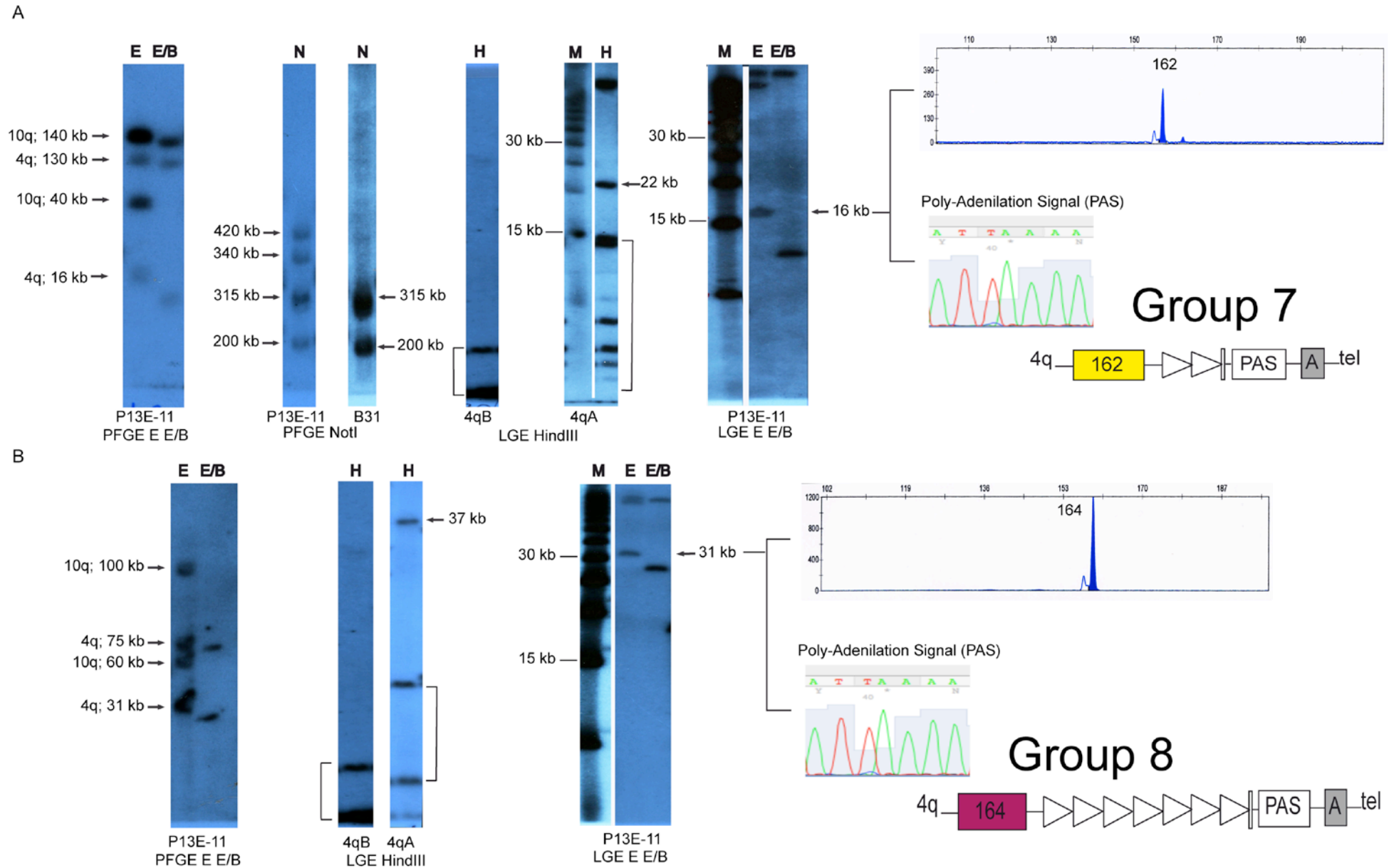


**Figure S10:** Examples of genotype and haplotype.



A) FSHD patient with a D4Z4 allele of 25 kb and 4B166 haplotype; B) FSHD patient with a D4Z4 allele of 38 kb and 4A159PAS haplotype. Non-4q and -10q cross-hybridization fragments with probes 4qA and 4qB are in brackets. Cross-hybridizing Y-chromosome-derived fragments with probe p13E-11 in male are indicated as “Y”.

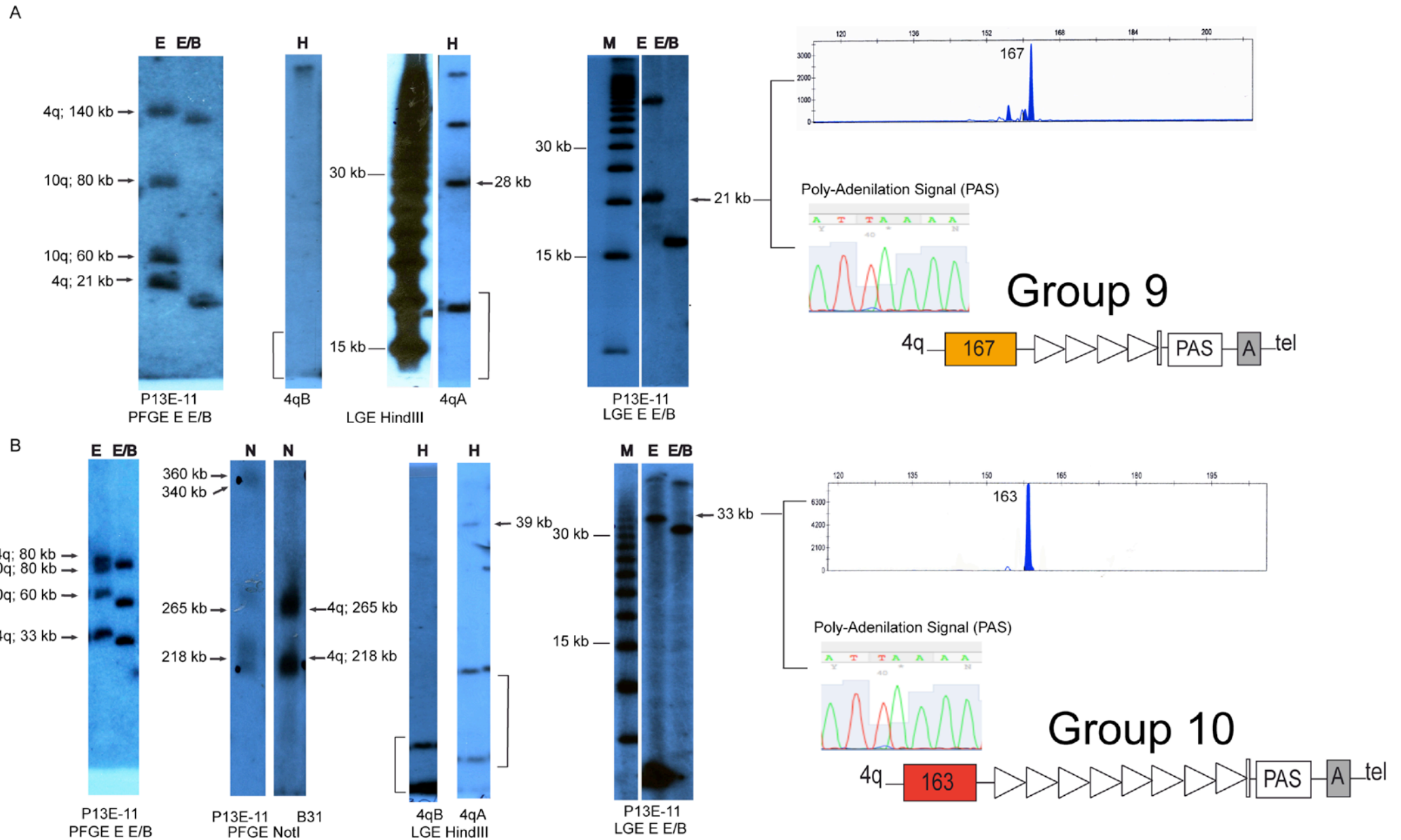
**Figure S11:** Examples of genotype and haplotype.



A) FSHD patient with a D4Z4 allele of 16 kb and 4A162PAS haplotype; B) FSHD patient with a D4Z4 allele of 31 kb and 4A164PAS haplotype. Non-4q and -10q cross-hybridization fragments with probes 4qA and 4qB are in brackets.



**Figure S12:** Examples of genotype and haplotype.



A) FSHD patient with a D4Z4 allele of 21 kb and 4A167PAS haplotype; B) FSHD patient with a D4Z4 allele of 33 kb and 4A163PAS haplotype. Non-4q and -10q cross-hybridization fragments with probes 4qA and 4qB are in brackets.

**Table S1:** Clinical and molecular analysis of the 25 healthy subjects carriers of a D4Z4-reduced allele.

ID-sample	Age	Sex	D4Z4 repeat unit	Haplotype	FSHD Score						Total
					Facial weakness	Scapular girdle involvement	Upper limbs involvement	Distal legs involvement	Pelvic girdle involvement	Abdominal muscle involvement	
CTRL 1	41	F	4-8	A161PAS	0	0	0	0	0	0	0
CTRL 2	52	F	4-8	A166PAS	0	0	0	0	0	0	0
CTRL 3	65	M	4-8	A161PAS	0	0	0	0	0	0	0
CTRL 4	64	F	4-8	A161PAS	0	0	0	0	0	0	0
CTRL 5	43	M	4-8	A161PAS	0	0	0	0	0	0	0
CTRL 6	61	M	4-8	B166	0	0	0	0	0	0	0
CTRL 7	63	F	4-8	A161PAS	0	0	0	0	0	0	0
CTRL 8	66	F	4-8	A161PAS	0	0	0	0	0	0	0
CTRL 9	66	M	4-8	A161PAS	0	0	0	0	0	0	0
CTRL 10	58	F	4-8	B163	0	0	0	0	0	0	0
CTRL 11	55	F	4-8	A161PAS	0	0	0	0	0	0	0
CTRL 12	78	M	4-8	A166PAS	0	0	0	0	0	0	0
CTRL 13	52	M	4-8	B163	0	0	0	0	0	0	0
CTRL 14	45	F	4-8	A161PAS	0	0	0	0	0	0	0
CTRL 15	68	F	4-8	A161PAS	0	0	0	0	0	0	0

CTRL 16	35	F	4-8	A166PAS	0	0	0	0	0	0	0	0
CTRL 17	71	M	4-8	A166PAS	0	0	0	0	0	0	0	0
CTRL 18	46	M	4-8	B161	0	0	0	0	0	0	0	0
CTRL 19	33	M	4-8	B163	0	0	0	0	0	0	0	0
CTRL 20	76	M	4-8	A166PAS	0	0	0	0	0	0	0	0
CTRL 21	38	M	4-8	B163	0	0	0	0	0	0	0	0
CTRL 22	52	M	4-8	A161PAS	0	0	0	0	0	0	0	0
CTRL 23	36	M	4-8	A166PAS	0	0	0	0	0	0	0	0
CTRL 24	31	M	4-8	A166PAS	0	0	0	0	0	0	0	0
CTRL 25	39	M	4-8	B166	0	0	0	0	0	0	0	0

**Table S2:** Clinical and molecular analysis of the 253 FSHD patients.

ID-sample	Age	Sex	D4Z4 repeat unit	Haplotype	FSHD Score						Total
					Facial weakness	Scapular girdle involvement	Upper limbs involvement	Distal legs involvement	Pelvic girdle involvement	Abdominal muscle involvement	
FSHD 1	43	M	1-3	A166PAS	2	3	1	2	4	1	<b>13</b>
FSHD 2	41	F	1-3	A166PAS	1	3	1	1	2	1	<b>9</b>
FSHD 3	47	F	1-3	A166PAS	2	3	2	2	4	1	<b>14</b>
FSHD 4	67	M	1-3	A161PAS	1	3	2	2	4	1	<b>13</b>
FSHD 5	35	M	1-3	A162PAS	2	2	2	1	3	1	<b>11</b>
FSHD 6	38	F	1-3	A161PAS	2	2	1	1	3	0	<b>9</b>
FSHD 7	61	F	1-3	A166PAS	2	2	0	2	2	0	<b>8</b>
FSHD 8	14	M	1-3	A161PAS	2	2	1	2	5	1	<b>13</b>
FSHD 9	36	M	1-3	A161PAS	1	1	0	0	0	1	<b>3</b>
FSHD 10	51	F	1-3	A166PAS	2	2	1	1	2	1	<b>9</b>
FSHD 11	23	F	1-3	A166PAS	1	2	0	0	0	0	<b>3</b>
FSHD 12	11	F	1-3	A161PAS	2	2	1	2	5	0	<b>12</b>
FSHD 13	70	F	1-3	A161PAS	2	2	0	1	1	1	<b>7</b>
FSHD 14	41	M	1-3	A161PAS	1	3	2	1	2	1	<b>10</b>
FSHD 15	43	F	1-3	A161PAS	2	2	0	1	2	0	<b>7</b>

FSHD 16	49	F	1-3	A161PAS	1	3	1	2	4	0	11
FSHD 17	35	F	1-3	A161PAS	2	2	1	1	0	1	7
FSHD 18	77	F	1-3	A161PAS	1	3	1	2	5	1	13
FSHD 19	53	M	1-3	A161PAS	2	0	2	2	5	0	11
FSHD 20	25	M	1-3	A162PAS	1	2	2	1	2	0	8
FSHD 21	23	M	1-3	A166PAS	1	2	1	1	0	1	6
FSHD 22	27	F	1-3	A161PAS	2	2	0	1	2	1	8
FSHD 23	45	F	1-3	A161PAS	2	2	0	2	2	1	9
FSHD 24	49	M	1-3	A161PAS	2	2	2	1	2	1	10
FSHD 25	25	M	1-3	A161PAS	2	2	0	0	0	1	5
FSHD 26	32	F	1-3	A166PAS	1	2	0	0	0	0	3
FSHD 27	22	M	1-3	A166PAS	2	3	2	2	2	1	12
FSHD 28	16	F	1-3	A161PAS	2	2	0	0	0	1	5
FSHD 29	39	F	4-8	A161PAS	1	2	0	1	2	1	7
FSHD 30	49	F	4-8	A167PAS	2	3	2	2	5	0	14
FSHD 31	68	M	4-8	A161PAS	1	3	2	2	4	0	12
FSHD 32	57	M	4-8	A166PAS	2	2	1	1	4	1	11
FSHD 33	46	F	4-8	A161PAS	1	2	0	0	0	0	3
FSHD 34	18	F	4-8	A161PAS	1	1	0	1	1	1	5

FSHD 35	59	M	4-8	A166PAS	1	3	1	2	4	0	11
FSHD 36	34	F	4-8	A166PAS	2	2	0	1	0	1	6
FSHD 37	56	M	4-8	A161PAS	1	2	2	2	3	1	11
FSHD 38	58	F	4-8	A166PAS	1	3	2	2	4	1	13
FSHD 39	61	F	4-8	A161PAS	1	2	0	1	2	0	6
FSHD 40	55	F	4-8	A161PAS	1	3	2	2	4	1	13
FSHD 41	79	F	4-8	A161PAS	1	2	1	2	5	0	11
FSHD 42	76	F	4-8	A161PAS	2	3	1	2	2	0	10
FSHD 43	41	F	4-8	A161PAS	2	2	0	1	2	0	7
FSHD 44	38	M	4-8	A161PAS	1	2	1	2	3	1	10
FSHD 45	52	F	4-8	A166PAS	1	2	0	1	0	0	4
FSHD 46	53	M	4-8	A161PAS	1	3	1	0	1	1	7
FSHD 47	62	F	4-8	A161PAS	1	2	0	2	4	1	10
FSHD 48	63	F	4-8	A166PAS	2	3	2	2	5	1	15
FSHD 49	65	F	4-8	A161PAS	1	3	2	2	3	1	12
FSHD 50	37	F	4-8	A161PAS	1	2	0	1	2	1	7
FSHD 51	46	F	4-8	A166PAS	1	1	0	1	2	0	5
FSHD 52	73	F	4-8	A161PAS	1	3	0	2	2	0	8
FSHD 53	53	M	4-8	A161PAS	1	3	0	1	1	1	7

FSHD 54	74	F	4-8	A161PAS	2	3	2	2	2	0	11
FSHD 55	38	M	4-8	A161PAS	1	1	0	1	0	0	3
FSHD 56	29	M	4-8	A161PAS	1	2	1	1	2	1	8
FSHD 57	70	F	4-8	A166PAS	1	2	2	2	4	0	11
FSHD 58	69	M	4-8	A161PAS	2	2	2	2	5	1	14
FSHD 59	66	F	4-8	A166PAS	1	2	1	1	4	0	9
FSHD 60	44	M	4-8	A167PAS	2	3	1	2	4	1	13
FSHD 61	30	M	4-8	A166PAS	0	2	0	1	0	1	4
FSHD 62	65	M	4-8	A166PAS	1	2	1	1	0	0	5
FSHD 63	65	M	4-8	A166PAS	2	3	1	2	5	1	14
FSHD 64	74	F	4-8	A161PAS	1	1	0	0	2	0	4
FSHD 65	47	M	4-8	A161PAS	1	2	0	0	0	0	3
FSHD 66	56	M	4-8	A166PAS	2	3	1	1	2	1	10
FSHD 67	38	F	4-8	A161PAS	0	2	0	0	0	1	3
FSHD 68	62	F	4-8	A161PAS	2	3	2	2	3	1	13
FSHD 69	69	F	4-8	A163PAS	1	3	1	1	4	0	10
FSHD 70	27	M	4-8	A161PAS	1	1	0	0	0	0	2
FSHD 71	64	F	4-8	A161PAS	1	3	1	2	4	1	12
FSHD 72	46	M	4-8	A162PAS	1	2	0	1	0	0	4

FSHD 73	69	F	4-8	A161PAS	1	3	1	2	5	0	<b>12</b>
FSHD 74	43	F	4-8	A166PAS	1	3	0	1	2	0	<b>7</b>
FSHD 75	36	M	4-8	A164PAS	1	2	1	1	2	1	<b>8</b>
FSHD 76	74	F	4-8	A166PAS	2	1	1	2	5	0	<b>11</b>
FSHD 77	51	M	4-8	A166PAS	2	2	1	1	1	1	<b>8</b>
FSHD 78	62	M	4-8	A161PAS	1	1	2	2	5	1	<b>12</b>
FSHD 79	25	M	4-8	A161PAS	1	0	0	0	0	0	<b>1</b>
FSHD 80	80	M	4-8	A166PAS	2	3	1	2	5	0	<b>13</b>
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FSHD 83	45	M	4-8	A161PAS	1	3	2	1	2	1	<b>10</b>
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FSHD 87	48	F	4-8	A161PAS	1	0	0	0	0	0	<b>1</b>
FSHD 88	57	F	4-8	A166PAS	1	2	1	1	0	1	<b>6</b>
FSHD 89	31	F	4-8	A161PAS	2	2	0	1	0	1	<b>6</b>
FSHD 90	23	F	4-8	A161PAS	2	2	0	1	2	1	<b>8</b>
FSHD 91	54	F	4-8	A166PAS	0	1	0	1	2	1	<b>5</b>



FSHD 92	4	M	4-8	A166PAS	0	0	0	1	0	0	1
FSHD 93	71	M	4-8	A162PAS	1	2	1	0	1	0	5
FSHD 94	49	F	4-8	A166PAS	2	3	0	2	4	1	12
FSHD 95	81	M	4-8	A166PAS	1	1	1	2	1	0	6
FSHD 96	62	F	4-8	A161PAS	2	2	1	2	4	1	12
FSHD 97	40	M	4-8	A164PAS	2	2	1	2	0	1	8
FSHD 98	68	F	4-8	A161PAS	1	2	1	1	2	0	7
FSHD 99	33	M	4-8	A161PAS	0	2	0	0	0	0	2
FSHD 100	37	M	4-8	A161PAS	2	1	1	1	0	0	5
FSHD 101	67	F	4-8	A162PAS	1	2	1	1	2	0	7
FSHD 102	47	M	4-8	A166PAS	1	2	0	1	0	0	4
FSHD 103	48	F	4-8	A166PAS	0	1	0	0	0	0	1
FSHD 104	25	F	4-8	A161PAS	2	2	0	0	0	1	5
FSHD 105	37	M	4-8	A161PAS	2	3	1	1	2	0	9
FSHD 106	49	F	4-8	A161PAS	1	2	1	1	4	1	10
FSHD 107	34	M	4-8	A162PAS	2	2	2	2	3	1	12
FSHD 108	58	M	4-8	A161PAS	1	1	1	1	0	0	4
FSHD 109	70	F	4-8	A161PAS	1	0	0	2	2	1	6
FSHD 110	39	M	4-8	A161PAS	2	3	2	0	2	1	10

FSHD 111	56	F	4-8	A161PAS	1	2	1	1	1	0	<b>6</b>
FSHD 112	42	F	4-8	A161PAS	2	1	1	2	0	0	<b>6</b>
FSHD 113	63	F	4-8	A166PAS	1	2	0	2	3	1	<b>9</b>
FSHD 114	50	M	4-8	A166PAS	1	2	1	0	2	0	<b>6</b>
FSHD 115	36	F	4-8	A161PAS	1	2	0	1	2	0	<b>6</b>
FSHD 116	13	M	4-8	A161PAS	1	1	0	0	0	1	<b>3</b>
FSHD 117	44	M	4-8	A162PAS	2	2	1	2	2	1	<b>10</b>
FSHD 118	41	M	4-8	A166PAS	1	1	0	1	0	1	<b>4</b>
FSHD 119	73	F	4-8	A161PAS	2	3	1	2	4	1	<b>13</b>
FSHD 120	73	F	4-8	A161PAS	1	3	0	2	5	1	<b>12</b>
FSHD 121	44	M	4-8	A161PAS	0	2	0	0	0	0	<b>2</b>
FSHD 122	56	F	4-8	A161PAS	1	2	2	1	2	1	<b>9</b>
FSHD 123	52	M	4-8	A161PAS	1	2	2	2	2	1	<b>10</b>
FSHD 124	31	F	4-8	A166PAS	2	2	0	0	0	1	<b>5</b>
FSHD 125	33	M	4-8	A166PAS	2	2	2	2	3	0	<b>11</b>
FSHD 126	43	M	4-8	A162PAS	1	0	1	0	2	0	<b>4</b>
FSHD 127	67	M	4-8	A161PAS	1	2	1	2	3	1	<b>10</b>
FSHD 128	21	M	4-8	A161PAS	1	2	0	0	0	1	<b>4</b>
FSHD 129	46	M	4-8	A161PAS	1	3	1	1	0	1	<b>7</b>

FSHD 130	50	M	4-8	A161PAS	1	2	1	0	0	1	<b>5</b>
FSHD 131	56	M	4-8	A161PAS	1	2	1	1	0	1	<b>6</b>
FSHD 132	32	M	4-8	A166PAS	1	2	0	0	0	0	<b>3</b>
FSHD 133	62	F	4-8	A161PAS	1	1	0	1	2	1	<b>6</b>
FSHD 134	28	M	4-8	A162PAS	1	0	0	0	0	0	<b>1</b>
FSHD 135	22	F	4-8	A161PAS	1	0	0	0	0	1	<b>2</b>
FSHD 136	40	M	4-8	A161PAS	1	1	1	1	0	0	<b>4</b>
FSHD 137	45	M	4-8	B166	0	3	0	0	0	0	<b>3</b>
FSHD 138	45	M	4-8	A161PAS	1	2	0	0	0	1	<b>4</b>
FSHD 139	62	F	4-8	A161PAS	1	2	1	2	0	0	<b>6</b>
FSHD 140	69	M	4-8	B163	0	3	0	1	2	0	<b>6</b>
FSHD 141	23	F	4-8	A161PAS	1	2	0	0	0	1	<b>4</b>
FSHD 142	36	M	4-8	A166PAS	1	3	2	2	3	0	<b>11</b>
FSHD 143	54	F	4-8	A162PAS	2	2	0	1	0	0	<b>5</b>
FSHD 144	12	M	4-8	B166	0	2	0	1	0	0	<b>3</b>
FSHD 145	25	M	4-8	A161PAS	1	0	0	0	0	0	<b>1</b>
FSHD 146	45	M	4-8	A161PAS	1	1	0	1	1	0	<b>4</b>
FSHD 147	50	F	4-8	A161PAS	1	3	0	0	0	1	<b>5</b>
FSHD 148	58	M	4-8	A161PAS	2	2	2	2	0	1	<b>9</b>

FSHD 149	40	F	4-8	A161PAS	2	2	1	1	3	1	<b>10</b>
FSHD 150	53	F	4-8	A166PAS	1	1	1	2	5	0	<b>10</b>
FSHD 151	52	M	4-8	A161PAS	1	2	1	1	2	1	<b>8</b>
FSHD 152	23	M	4-8	A166PAS	2	2	1	0	0	1	<b>6</b>
FSHD 153	54	F	4-8	A166PAS	1	2	0	1	2	0	<b>6</b>
FSHD 154	74	F	4-8	A161PAS	2	2	2	2	4	1	<b>13</b>
FSHD 155	16	M	4-8	A161PAS	2	3	0	0	0	0	<b>5</b>
FSHD 156	48	F	4-8	A161PAS	1	1	0	1	2	0	<b>5</b>
FSHD 157	57	M	4-8	A161PAS	0	2	0	1	2	0	<b>5</b>
FSHD 158	64	F	4-8	A166PAS	1	2	0	1	2	0	<b>6</b>
FSHD 159	43	F	4-8	A161PAS	2	2	0	1	2	1	<b>8</b>
FSHD 160	34	M	4-8	A166PAS	1	2	0	1	2	1	<b>7</b>
FSHD 161	55	M	4-8	A161PAS	1	2	1	2	4	1	<b>11</b>
FSHD 162	80	F	4-8	A166PAS	2	3	2	2	5	0	<b>14</b>
FSHD 163	75	F	4-8	A161PAS	2	2	1	1	2	0	<b>8</b>
FSHD 164	70	F	4-8	A161PAS	1	3	0	2	4	0	<b>10</b>
FSHD 165	38	M	4-8	A161PAS	2	3	0	0	0	1	<b>6</b>
FSHD 166	27	M	4-8	A161PAS	1	2	0	0	0	0	<b>3</b>
FSHD 167	34	M	4-8	A161PAS	0	2	0	0	0	0	<b>2</b>

FSHD 168	25	M	4-8	A161PAS	0	1	0	0	0	0	1
FSHD 169	54	F	4-8	A161PAS	1	1	0	2	2	0	6
FSHD 170	25	M	4-8	A161PAS	1	2	0	1	0	1	5
FSHD 171	44	M	4-8	A161PAS	1	2	1	0	0	0	4
FSHD 172	89	F	4-8	A161PAS	1	3	1	0	2	0	7
FSHD 173	39	M	4-8	A162PAS	1	1	1	0	0	0	3
FSHD 174	66	M	4-8	A166PAS	0	3	2	2	2	0	9
FSHD 175	47	M	4-8	A166PAS	0	2	0	0	0	0	3
FSHD 176	40	M	4-8	A161PAS	1	2	1	2	2	0	8
FSHD 177	55	F	4-8	A161PAS	2	2	1	2	5	0	12
FSHD 178	42	M	4-8	A166PAS	1	2	0	0	0	1	4
FSHD 179	48	M	4-8	A164PAS	0	2	1	1	1	1	6
FSHD 180	66	M	4-8	A162PAS	1	0	0	1	0	0	2
FSHD 181	42	M	4-8	A166PAS	2	2	0	1	0	0	5
FSHD 182	66	M	4-8	A161PAS	1	1	0	1	1	1	5
FSHD 183	67	F	4-8	A161PAS	2	1	0	1	2	0	6
FSHD 184	41	M	4-8	A166PAS	2	2	2	1	0	0	7
FSHD 185	62	M	4-8	A161PAS	1	2	0	0	0	1	4
FSHD 186	72	F	4-8	A166PAS	2	2	1	1	4	0	10

FSHD 187	70	F	4-8	A164PAS	1	1	0	1	2	0	<b>5</b>
FSHD 188	43	M	4-8	A161PAS	1	2	1	0	0	0	<b>4</b>
FSHD 189	66	M	4-8	A161PAS	1	2	0	1	1	0	<b>5</b>
FSHD 190	48	F	4-8	A161PAS	1	2	1	1	2	1	<b>8</b>
FSHD 191	72	F	4-8	A161PAS	1	2	1	2	4	0	<b>10</b>
FSHD 192	23	M	4-8	A166PAS	1	2	0	0	0	0	<b>3</b>
FSHD 193	24	M	4-8	A161PAS	1	2	1	0	0	0	<b>4</b>
FSHD 194	59	M	4-8	A161PAS	2	2	0	1	2	1	<b>8</b>
FSHD 195	73	F	4-8	A161PAS	1	0	0	1	2	0	<b>4</b>
FSHD 196	63	F	4-8	A161PAS	0	0	0	0	0	1	<b>1</b>
FSHD 197	57	F	4-8	A161PAS	1	0	1	1	0	0	<b>3</b>
FSHD 198	69	M	4-8	A162PAS	2	2	0	1	1	0	<b>6</b>
FSHD 199	60	M	4-8	A161PAS	1	3	1	1	2	0	<b>8</b>
FSHD 200	56	F	4-8	A161PAS	0	2	1	2	2	0	<b>7</b>
FSHD 201	55	F	4-8	A161PAS	1	2	1	2	4	1	<b>11</b>
FSHD 202	74	F	4-8	A161PAS	1	1	0	0	2	0	<b>4</b>
FSHD 203	40	M	4-8	A161PAS	1	2	0	1	0	1	<b>5</b>
FSHD 204	25	M	4-8	A161PAS	1	2	0	0	0	0	<b>3</b>
FSHD 205	67	F	9-10	A161PAS	2	3	2	2	5	1	<b>15</b>

FSHD 206	82	F	9-10	A159PAS	1	1	0	0	2	0	4
FSHD 207	66	F	9-10	A161PAS	2	2	1	2	4	1	12
FSHD 208	66	M	9-10	A161PAS	1	3	1	1	1	0	7
FSHD 209	62	M	9-10	A161PAS	1	2	2	2	4	1	12
FSHD 210	55	F	9-10	A161PAS	1	1	1	2	0	0	5
FSHD 211	59	F	9-10	A166PAS	1	1	1	0	1	0	4
FSHD 212	56	F	9-10	A166PAS	2	3	2	2	5	1	15
FSHD 213	79	F	9-10	A161PAS	1	2	1	1	0	0	5
FSHD 214	63	M	9-10	A166PAS	2	2	2	2	3	0	11
FSHD 215	69	M	9-10	A161PAS	1	2	0	0	2	0	5
FSHD 216	58	M	9-10	A161PAS	1	2	0	0	0	1	4
FSHD 217	52	M	9-10	A161PAS	1	2	0	1	0	1	5
FSHD 218	43	M	9-10	A161PAS	0	1	0	0	0	0	1
FSHD 219	36	F	9-10	A161PAS	2	1	1	1	0	0	5
FSHD 220	36	M	9-10	A161PAS	0	2	0	0	0	0	2
FSHD 221	69	F	9-10	A161PAS	2	3	1	0	0	0	6
FSHD 222	43	F	9-10	A161PAS	1	1	1	0	2	1	6
FSHD 223	27	M	9-10	A161PAS	1	1	1	0	1	1	5
FSHD 224	29	M	>10		1	2	0	1	0	0	4

FSHD 225	62	F	>10	1	3	0	2	4	1	<b>11</b>
FSHD 226	42	M	>10	1	2	0	1	0	0	<b>4</b>
FSHD 227	45	M	>10	1	0	0	1	0	1	<b>3</b>
FSHD 228	40	M	>10	1	3	1	1	0	0	<b>6</b>
FSHD 229	71	M	>10	1	2	0	1	2	0	<b>6</b>
FSHD 230	46	F	>10	1	2	1	1	1	1	<b>8</b>
FSHD 231	56	M	>10	2	3	2	2	5	0	<b>14</b>
FSHD 232	70	F	>10	1	2	1	2	2	0	<b>8</b>
FSHD 233	54	F	>10	1	3	1	0	2	0	<b>7</b>
FSHD 234	33	M	>10	1	2	0	0	0	1	<b>2</b>
FSHD 235	46	M	>10	1	1	0	0	0	1	<b>3</b>
FSHD 236	30	M	>10	1	3	0	1	1	1	<b>7</b>
FSHD 237	34	M	>10	1	1	1	0	1	0	<b>4</b>
FSHD 238	45	F	>10	1	3	0	1	3	0	<b>8</b>
FSHD 239	56	F	>10	1	1	1	0	0	0	<b>3</b>
FSHD 240	63	M	>10	1	2	0	1	2	1	<b>7</b>
FSHD 241	69	M	>10	1	1	2	2	0	1	<b>7</b>
FSHD 242	55	M	>10	0	0	1	2	2	0	<b>5</b>
FSHD 243	76	M	>10	1	2	0	1	0	1	<b>5</b>



FSHD 244	44	M	>10	2	1	0	0	0	0	3
FSHD 245	81	F	>10	2	2	1	0	2	1	8
FSHD 246	34	F	>10	2	1	1	0	0	1	5
FSHD 247	33	F	>10	1	2	0	1	0	0	4
FSHD 248	31	M	>10	2	2	0	0	0	1	5
FSHD 249	50	F	>10	1	1	0	0	1	1	4
FSHD 250	43	F	>10	1	0	0	1	0	1	3
FSHD 251	45	M	>10	2	1	0	1	0	0	4
FSHD 252	49	M	>10	1	3	1	0	2	0	7
FSHD 253	60	F	>10	1	2	1	2	1	0	7