

Supplementary Table 1: Molecular information.

ID	Patient #	CHM Mutation	Type of Mutation	Exon/Intron Location	Predicted Change
12001		c.519delAG**	frameshift	Exon 5	p.?
13004	P6	deletion of exon 1	deletion	Exon 1	REP1 absent
13005		c.1663A>T	nonsense	Exon 14	p.Arg555*
13012		c.189+1 G>T	splice site	Intron 3	p.?
13013		NA	NA	NA	NA
13015	P5	del. entire gene	deletion	del. entire gene	REP1 absent
13017		C	C	C	C
13019		NA	NA	NA	NA
13020		NA	NA	NA	NA
13027		c.1185C>G	nonsense	Exon 9	p.Ser395*
13031	P2	deletion exons 3-8**	deletion	Exons 3-8	p.?
13032		c.757C>T	nonsense	Exon 6	p.Arg253*
13034		c.838C>T	nonsense	Exon 6	p.Arg270*
13035		NA	NA	NA	NA
13039	P4	c.1327_1328delAT	frameshift	Exon 10	p.?
13040		deletion exons 2-4	deletion	Exons 2-4	p.?
13044	P19	c.315_318delTCAG	frameshift	Exon 5	p.?
13045		NA	NA	NA	NA
13048		c.700A>T	nonsense	Exon 5	p.Lys234*
13050		c.700A>T	nonsense	Exon 5	p.Lys234*
13051		c.799C>T	nonsense	Exon 6	p.Arg267*
13053		c.281delA**	frameshift	Exon 3	p.?
13055		c.838C>T	nonsense	Exon 6	p.Arg270*
13056		c.445delT	frameshift	Exon 5	p.?
13057	P13	c.745delT	nonsense	Exon 6	p.Arg239*
13061		del exon 9,10	deletion	exons 9, 10	p.?
13062		c.1649 T>C	missense	Exon 14	p.Leu550Pro
13063		c. 1649 T>C	missense	Exon 14	p.Leu550Pro
13064		del exons 1-2	deletion	Exons 1, 2	REP1 absent
13066		del exons 1-2	deletion	Exons 1, 2	REP1 absent
13067		c.838C>T	nonsense	Exon 6	p.Arg270*
13068		C	C	C	C
13070		NA	NA	NA	NA
13071		c.1663A>T	nonsense	Exon 14	p.Arg555*
13072		c.1771-1g>a	splice site	Intron 14	p.?
13073		c.1218C>A	nonsense	Exon 9	p.Cys406*
13074		c.1218C>A	nonsense	Exon 9	p.Cys406*
13075		c.1218C>A	nonsense	Exon 9	p.Cys406*
13076		c.1218C>A	nonsense	Exon 9	p.Cys406*
13078		del exons 1-15	deletion	Exons 1-15	REP1 absent
13080		c.817_818insC**	frameshift	Exon 6	p.?
13085		del exons 2-4	deletion	Exons 2-4	REP1 absent
13086		c.1663A>T	nonsense	Exon 14	p.Arg555*
13087		c.1663A>T	nonsense	Exon 14	Arg555ter
13092		c.889A>T	nonsense	Exon 7	p.Lys297*
13099	P3	p.757C>T	nonsense	Exon 6	p.Arg253*
13100		p.757C>T	nonsense	Exon 6	p.Arg253*
13101		c.838C>T	nonsense	Exon 6	p.Arg270*
13102		c.838C>T	nonsense	Exon 6	p.Arg270*

13106		c.940-1g>t	splice site	Intron 7	p.?
13117		c.820-2a>g	splice site	intron 6	p.?
13118		c.49+5g>t	splice site	intron 1	p.?
13122		c.808C>T	nonsense	Exon 6	p.Arg270*
13125		c.1437dupA	frameshift	Exon 12	p.?
13126		c.580_581delGA**	frameshift	Exon 5	p.?
13130		c.1327_1328delAT	frameshift	exon 10	p.?
13131	P9	.1327_1328delAT	frameshift	exon 10	p.?
13132		.1327_1328delAT	frameshift	exon 10	p.?
13136		c.1520A>G	missense	Exon 13	p.His507Arg
13144		c.715C>T	nonsense	Exon 6	p.Arg239*
13146		NA	NA	NA	NA
13151		c.1161C>T	nonsense	exon 9	p.Gln385*
13159		c.1144G>T	nonsense	exon 9	p.Glu382*
13167		del. entire gene	deletion	del. entire gene	REP1 absent
13170	P17	c.757C>T	nonsense	Exon 6	p.Arg253*
13172		c.1166+2T>G	splice site	Intron 8	p.?
13173		NA	NA	NA	NA
13177		c.519delAG	frameshift	Exon 5	p.?
13181		c.116+1 G>A	splice site	Intron 2	p.?
13183		c.745delT**	frameshift		p.?
13185		c.1631delA	frameshift	Exon 14	p.?
13186	P14	c.1631delA	frameshift	Exon 14	p.?
13188	P16	c.757C>T	nonsense	Exon 6	p.Arg253*
13190	P8	del. entire gene	deletion	del. entire gene	REP1 absent
13193		C	C	C	C
13195		c.820-2a>g	splice site	intron 6	p.?
13197	P7	deletion exons 3-8	deletion	Exons 3-8	p.?
13200		c.910G>T	nonsense	exon 7	p.Glu304*
13203	P15	NA	NA	NA	NA
13204		NA	NA	NA	NA
13205		NA	NA	NA	NA
13208		c.519delAG	frameshift	Exon 5	p.?
13209	P7	NA	NA	NA	NA
13210		del. entire gene	deletion	del. entire gene	REP1 absent
13216		c.1414-1_1414delGAinsAT	splice site	Exon 11	p.?
13220	P20	NA	NA	NA	NA
13224		c.757C>T	nonsense	exon 6	p.Arg253*
13226		c.940-2A>T	splice site	Intron 7	p.?
CHM01	P10	c.799C>T	nonsense	exon 6	p.Arg.267*
CHM02	P18	c.799C>T	nonsense	exon 6	p.Arg.267*
CHM03		del. entire gene ^{††}	deletion	del. entire gene	REP1 absent
CHM04		c.25_28del4ins11	frameshift	exon 1	p.?
CHM05	P11	NA	NA	NA	NA
CHM06	P12	c.1138 C>T	nonsense	Exon 9	p.Gln380*
CHM07	P1	c.799C>T	nonsense	Exon 6	p.Arg267*
CHM08		NA	NA	NA	NA
CHM09		c.799C>T	nonsense	Exon 6	p.Arg267*

NA: sample or screening result not available; C: confirmed mutation positive, resulting mutation not available;
del=deletion; p.?: unknown protein effect.

** Novel mutation; ^{††} Deletion of entire gene and neighboring POU3 gene.

Patients who are siblings or from same pedigree: 13034/13067; 13048/13050; 13057/13183; 13062/13063;
13185/13186;13073/13074;13086/13087;13099/13100;13130/13131/13132;13203/13204/13205;13177/13208;
CHM01/CHM02