

S2_Table: D801Y and R756H associated phenotypes. Summary of the clinical informations from the patients presenting the D801Y and the R756H mutations

	Patient presenting the D801Y mutation
	Male, 32years old.
Birth	Normal
Development	Motor milestones and speech acquisition normal At 14 months: episodes of fine tremor of the extremities
Childhood and Adolescence	Recurrent episodes of right or left sided hemiplegia, induced by excitement or fear, usually preceded by severe headaches and associated with dystonia, Less frequent episodes of quadriplegia No effect of Flunarizine nor Inderal Between the spells: Ataxia, right hemiparesia, right sided athetosis not improved by Sinemet, fluctant dysarthria, abnormal eye movements Mental development: IQ=123 at 4y3M and 92 at 12yo
At 30 yo	First seizure (Grand Mal)
Last examination at 31 yo	Decreased frequency of the hemiplegic/dystonic episodes Dysarthria Tremor between the spells Mild ataxia and uncoordination but walks independently Graduated from High School but decreased mental skills

	Patients presenting the R756H mutation	
	Female, 5.5 years old	Female, 11.5 years old
Birth	Normal	Normal
Development	Motor milestones and speech slightly delayed by 3-4 months	Motor milestones and speech acquisition normal
Childhood	<p>Febrile seizure at 2.5 yo with residual persistent right sided hemiplegia and ataxia</p> <p>Recurrence of seizure at 3 yo, followed by dysarthria, dysphagia.</p>	<p>Febrile seizure at 2 yo</p> <p>First episode of hemiplegia or dystonia at 3.5 yo</p>
Last examination	<p>at 3yo</p> <p>Right sided hemiplegia</p> <p>Truncal ataxia needing assistance for walking and sitting</p> <p>Poor speech</p>	<p>at 9.5 yo</p> <p>Ataxia and dysmetria</p> <p>Dysarthria</p> <p>Learning disability</p>