

## SUPPORTING INFORMATION

**S2 TABLE.** Clinical signs and symptoms in the FRDA cohort. Number of patients affected (percentages). FRDA: Friedreich's Ataxia; CNS: central nervous system.

<b>CNS involvement n (%)</b>		<b>Onset Symptoms n (%)</b>	
Dysarthria	18 (85.7)	Gait clumsiness,	14 (66.66)
Cerebellar signs	13 (61.9)	Cerebellar	9 (42.85)
Muscle weakness	21 (100)	Scoliosis	8 (38.1)
Muscle atonia	20 (95.2)		
Babinski positive	21 (100)		
Areflexia	21 (100)		
Nystagmus	13 (61.9)		
<b>Sensory Impairment n (%)</b>		<b>Other n (%)</b>	
Vibratory sense	21 (100)	Left ventricular hypertrophy	11 (52.38)
Touch	10 (47.6)	Dysphagia	17 (80.95)
Proprioception	7 (33.3)	Restrictive lung disease	3 (14.28)
Pain	5 ( 23.8)	Headache	3 (14.3)
Temperature	4 (19%)	Mood disorders	3 (14.3)
Hearing loss	3 (14.3)	Diabetes Mellitus	2 (9.5)