Appendix 1: Twelve genes associated with long QT syndrome

LQTS type	Gene	Function
1*	*KCNQ1*	α-Subunit of I_{Ks}
2*	*KCNH2*	α-Subunit of I_{Kr}
3*	*SCN5A*	α-Subunit of I_{Na}
4	*ANK4*	Ankyrin B: cytoskeletal membrane adapter
5	*KCNE1*	β-Subunit of I_{Ks}
6	*KCNE2*	β-Subunit of I_{Kr}
7	*KCNJ2*	α-Subunit of I_{K1}
8	*CACNA1C*	α-Subunit of I_{CaL}
9	*CAV3*	Caveolin 3: trafficking
10	*SCN4B*	β-Subunit of I_{Na}
11	*AKAP9*	Yotiao: accessory protein for I_{Ks}
12	*SNTA1*	α_1-Syntrophin: scaffolding protein

Note: LQTS = long QT syndrome.
*75% of all clinically defined instances of LQTS and 95% of all genetically identifiable instances are due to mutations in *KCNQ1*, *KCNH2* and *SCN5A*.[3,4]

Appendix to: Jackson H, Huisman L-A, Sanatani S, et al. Long QT syndrome. *CMAJ* 2011. DOI:10.1503/cmaj.100138.