



Give the RASopathies Network a Treat this Halloween

Between **October 16 – 31, 2014**
text “**RARE**” to **85944** and reply **YES**
to make a \$10 donation
to advance RASopathies research
and help this Superduper Mario!

Your \$10 donation is tax-deductible *and* the EveryLife Foundation will match up to \$1,000.

Thank you so much for your support!

RASopathies Network USA is a 501c3 Nonprofit Charity ~ <http://rasopathiesnet.org>

RASopathies

- A group of rare genetic conditions
 - Caused by mutations in genes of the Ras-MAPK pathway
 - Syndromes include:
 - Cardio-Facio-Cutaneous (CFC)
 - Costello (CS)
 - Legius
 - Neurofibromatosis type 1 (NFI)
 - Noonan (NS)
 - Noonan with Multiple Lentigines (NSML)/LEOPARD

- Syndromes share many clinical features
 - distinct facial features
 - developmental delays
 - cardiac defects
 - growth delays
 - neurologic issues
 - gastrointestinal difficulties

- Wide variance in prevalence, BUT as a group, RASopathies are among the most common genetic syndromes (~1:1000)