





Figure S1. Geographic origin distribution of sampled children who presented with diarrhea symptoms at KCH and were KHDSS residents. The diamonds indicate RVA positives and are colored by genetic cluster (see Figure 3 for details. The red empty circles indicate RVA negative cases.

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 Table S1: The global distribution of the identified G3 global genetic clusters

Global cluster name	Number of sequences	Includes Kilifi cluster	Years detected	Countries detected
Global/Clu_1	181	Clu_4/G3P[8]	2013, 2014, 2015, 2016, 2017, 2018	Australia, Taiwan, Japan, Indonesia, Thailand, USA, Dominican, Brazil, Italy, Germany, Hungary, Spain, Kenya
Global/Clu_2	116	Clu_3/G3P[8]	2013, 2014, 2015, 2016, 2018	India, Pakistan, China, Taiwan, Korea, Japan, Singapore, Australia, Italy, Spain, Russia, USA, Dominican, Ethiopia, Kenya
Global/Clu_3	47	Clu_5/G3P[8]	2013, 2014, 2016, 2017, 2018	Ethiopia, Kenya, Nigeria, Uganda, Indonesia
Global/Clu_4	3	<u>_</u>	2014	Peru
Global/Clu_1				1 01 01
Global/Clu_5	1	-	2014	China
		-		
Global/Clu_5 Global/Clu_6 Global/Clu_7	1	-	2014	China Kenya, Pakistan,
Global/Clu_5 Global/Clu_6 Global/Clu_7 Global/Clu_8	1 10	- -	2014 2015, 2016, 2018	China Kenya, Pakistan, Indonesia Indonesia Kenya, China
Global/Clu_5 Global/Clu_6 Global/Clu_7 Global/Clu_8 Global/Clu_9	1 10 1 2 1	- - - -	2014 2015, 2016, 2018 2016 2013, 2016 2016	China Kenya, Pakistan, Indonesia Indonesia Kenya, China Kuwait
Global/Clu_5 Global/Clu_6 Global/Clu_7 Global/Clu_8 Global/Clu_9 Global/Clu_10	1 10 1 2 1 2	- - - -	2014 2015, 2016, 2018 2016 2013, 2016 2016 2013, 2014	China Kenya, Pakistan, Indonesia Indonesia Kenya, China Kuwait Belarus
Global/Clu_5 Global/Clu_6 Global/Clu_7 Global/Clu_8 Global/Clu_9 Global/Clu_10 Global/Clu_11	1 10 1 2 1 2 2	- - - - -	2014 2015, 2016, 2018 2016 2013, 2016 2016 2013, 2014 2013, 2015	China Kenya, Pakistan, Indonesia Indonesia Kenya, China Kuwait Belarus Kenya
Global/Clu_5 Global/Clu_6 Global/Clu_7 Global/Clu_8 Global/Clu_9 Global/Clu_10 Global/Clu_11 Global/Clu_12	1 10 1 2 1 2 2 2	- - - - -	2014 2015, 2016, 2018 2016 2013, 2016 2016 2013, 2014 2013, 2015 2013	China Kenya, Pakistan, Indonesia Indonesia Kenya, China Kuwait Belarus Kenya Nigeria
Global/Clu_5 Global/Clu_6 Global/Clu_7 Global/Clu_8 Global/Clu_9 Global/Clu_10 Global/Clu_11 Global/Clu_12 Global/Clu_13	1 10 1 2 1 2 2 2 1	- - - - - -	2014 2015, 2016, 2018 2016 2013, 2016 2013, 2014 2013, 2015 2013 2015	China Kenya, Pakistan, Indonesia Indonesia Kenya, China Kuwait Belarus Kenya Nigeria Thailand
Global/Clu_5 Global/Clu_6 Global/Clu_7 Global/Clu_8 Global/Clu_9 Global/Clu_10 Global/Clu_11 Global/Clu_12 Global/Clu_13 Global/Clu_14	1 10 1 2 1 2 2 2 1 1 1	- - - - - -	2014 2015, 2016, 2018 2016 2013, 2016 2013, 2014 2013, 2015 2013 2015 2016	China Kenya, Pakistan, Indonesia Indonesia Kenya, China Kuwait Belarus Kenya Nigeria Thailand Thailand
Global/Clu_5 Global/Clu_6 Global/Clu_7 Global/Clu_8 Global/Clu_10 Global/Clu_11 Global/Clu_12 Global/Clu_13 Global/Clu_14 Global/Clu_15	1 10 1 2 1 2 2 2 1 1 1 1	- - - - - - -	2014 2015, 2016, 2018 2016 2013, 2016 2013, 2014 2013, 2015 2013 2015 2016 2016	China Kenya, Pakistan, Indonesia Indonesia Kenya, China Kuwait Belarus Kenya Nigeria Thailand Thailand Thailand
Global/Clu_5 Global/Clu_6 Global/Clu_7 Global/Clu_8 Global/Clu_10 Global/Clu_11 Global/Clu_12 Global/Clu_13 Global/Clu_14 Global/Clu_15 Global/Clu_16	1 10 1 2 1 2 2 2 1 1 1 1 1 2	- - - - - - - -	2014 2015, 2016, 2018 2016 2013, 2016 2013, 2014 2013, 2015 2013 2015 2016 2016 2014, 2016	China Kenya, Pakistan, Indonesia Indonesia Kenya, China Kuwait Belarus Kenya Nigeria Thailand Thailand Thailand Viet Nam, Korea
Global/Clu_5 Global/Clu_6 Global/Clu_7 Global/Clu_8 Global/Clu_10 Global/Clu_11 Global/Clu_12 Global/Clu_13 Global/Clu_14 Global/Clu_15	1 10 1 2 1 2 2 2 1 1 1 1	- - - - - - - - - -	2014 2015, 2016, 2018 2016 2013, 2016 2013, 2014 2013, 2015 2013 2015 2016 2016	China Kenya, Pakistan, Indonesia Indonesia Kenya, China Kuwait Belarus Kenya Nigeria Thailand Thailand Thailand