

Supplementary Table 1. Information on mean coverage of known and candidate dRTA genes per family. Genes that were solved for a known gene were marked in blue, candidate gene in the families were marked in red. All genes had a mean coverage above 20X.

Family Nr.	Gene	Mean X coverage of known and candidate gene	Mean X coverage of all 7 known and candidate genes/family
B964-21	<i>SLC4A1</i>	51.4	47.5
	<i>ATP6V1B1</i>	103.8	
	<i>ATP6V0A4</i>	33.2	
	<i>SLC4A2</i>	47.4	
	<i>FOXI1</i>	27.33	
	<i>WDR72</i>	35.5	
	<i>ATP6V1C2</i>	28.6	
B3155-21	<i>SLC4A1</i>	57.98	63.4
	<i>ATP6V1B1</i>	72.9	
	<i>ATP6V0A4</i>	78.2	
	<i>SLC4A2</i>	63.089	
	<i>FOXI1</i>	49.3	
	<i>WDR72</i>	60.1	
	<i>ATP6V1C2</i>	45.3	
B2838-21	<i>SLC4A1</i>	128.5	106.2
	<i>ATP6V1B1</i>	153.1	
	<i>ATP6V0A4</i>	78.1	
	<i>SLC4A2</i>	134.9	
	<i>FOXI1</i>	108.2	
	<i>WDR72</i>	61.7	
	<i>ATP6V1C2</i>	87.5	
B1022-21	<i>SLC4A1</i>	51.3	42.5
	<i>ATP6V1B1</i>	100	
	<i>ATP6V0A4</i>	27.5	
	<i>SLC4A2</i>	38.2	
	<i>FOXI1</i>	29.84	
	<i>WDR72</i>	29.7	
	<i>ATP6V1C2</i>	23.5	
F382-25	<i>SLC4A1</i>	62	60
	<i>ATP6V1B1</i>	31.2	
	<i>ATP6V0A4</i>	79	
	<i>SLC4A2</i>	64.7	
	<i>FOXI1</i>	57.3	
	<i>WDR72</i>	59.5	
	<i>ATP6V1C2</i>	49.4	
B2673-21	<i>SLC4A1</i>	85.9	105.3
	<i>ATP6V1B1</i>	131.9	
	<i>ATP6V0A4</i>	154.4	
	<i>SLC4A2</i>	73.4	
	<i>FOXI1</i>	141.2	
	<i>WDR72</i>	97.7	
	<i>ATP6V1C2</i>	52.4	
B2673-22	<i>SLC4A1</i>	113.6	92.4
	<i>ATP6V1B1</i>	133.7	
	<i>ATP6V0A4</i>	67.8	
	<i>SLC4A2</i>	114.9	
	<i>FOXI1</i>	88.6	

	WDR72	54.7	
	ATP6V1C2	76.7	
F588-21	SLC4A1	57.8	59.2
	ATP6V1B1	32.0	
	ATP6V0A4	75.7	
	SLC4A2	63.0	
	FOXI1	52.2	
	WDR72	64.3	
	ATP6V1C2	50.1	
B2840-21	SLC4A1	140.6	117.3
	ATP6V1B1	168.6	
	ATP6V0A4	91.9	
	SLC4A2	156.5	
	FOXI1	116.3	
	WDR72	70.1	
	ATP6V1C2	91.4	
B2842-21	SLC4A1	149.5	129.16
	ATP6V1B1	188	
	ATP6V0A4	95.6	
	SLC4A2	161.5	
	FOXI1	115	
	WDR72	84.7	
	ATP6V1C2	106.5	
F604-21	SLC4A1	52.5	55.9
	ATP6V1B1	30.5	
	ATP6V0A4	70.4	
	SLC4A2	60.1	
	FOXI1	46.6	
	WDR72	63.2	
	ATP6V1C2	74.8	