	Isogenic vs non-	Isogenic vs non-	Isogenic vs non-
	isogenic pairs	isogenic pairs	isogenic pairs
	with difference	with >25%	with >50%
	(20 total)	difference	difference
	(% of total)	(% of total)	(% of total)
Fecundity	8	7	5
	(40%)	(35%)	(25%)
Survival upon oral infection	10	7	2
	(50%)	(35%)	(10%)
Midgut mitosis in baseline conditions	5	5	5
	(25%)	(25%)	(25%)
Midgut mitosis upon oral infection	5	5	2
	(25%)	(25%)	(10%)
Defecation rate upon oral infection	4	1	0
	(20%)	(5%)	(0%)
Fecal pH upon oral infection	4	0	0
	(20%)	(0%)	(0%)
Terminal branching in normoxia	2	0	0
	(10%)	(0%)	(0%)
Terminal branching in hypoxia	2	0	0
	(10%)	(0%)	(0%)

**Table S3:** The intensity of the phenotypic differences in comparisons of isogenic and non-isogenic GD and KK transgenic *UAS-RNAi* lines varies in the absence of Gal4.