

**Figure 9-figure supplement 10**

Genes associated with cristae structure

Gene name	Full name	Entrez Gene ID
OPA1	Optic atrophy 1	4976
MCL1*	Induced myeloid leukemia cell differentiation protein	4170
IMMT	MICOS complex subunit Mic60	10989
CHCHD3	MICOS complex subunit Mic19	54927
CHCHD6	MICOS complex subunit Mic25	84303
MINOS1	MICOS complex subunit Mic10	440574
MIC13	MICOS complex subunit Mic13	7899621
APOO	MICOS complex subunit Mic26	79135
APOOL	MICOS complex subunit Mic27	139322
GHITM	Growth hormone-inducible transmembrane protein	27069
SAM50	Sorting and assembly machinery component 50 homolog	855705
MTX1*	Metaxin-1	4580
MTX2	Metaxin-2	10651
DNAJC11	DnaJ homolog subfamily C member 11	55735
TMEM11	Transmembrane protein 11	8834
HSPA9*	Stress 70 protein	3313
HSPA1A	Heat shock 70 kDa protein 1A	3303
HSPA1B	Heat shock 70 kDa protein 1B	3304
PHB*	Prohibitin	5245
PHB2	Prohibitin-2	11331
STOML2	Stomatin-like protein 2	30968
ATP5F1A*	ATP synthase F1 subunit alpha	498
ATP5F1B*	ATP synthase F1 subunit beta	506
ATP5F1C	ATP synthase F1 subunit gamma	509
ATP5F1D	ATP synthase F1 subunit delta	513
ATP5F1E	ATP synthase F1 subunit epsilon	514
ATP5MC1*	ATP synthase membrane subunit c locus 1	516
ATP5MC2	ATP synthase membrane subunit c locus 2	517
ATP5MC3	ATP synthase membrane subunit c locus 3	518
ATP5MD	ATP synthase membrane subunit DAPIT	84833
ATP5ME	ATP synthase membrane subunit e	521
ATP5MF	ATP synthase membrane subunit f	9551
ATP5MG*	ATP synthase membrane subunit g	10632
ATP5MPL	ATP synthase membrane subunit 6.8PL	9556
MT-ATP6	mitochondrially encoded ATP synthase membrane subunit 6	4508
MT-ATP8	mitochondrially encoded ATP synthase membrane subunit 8	4509
ATP5PB	ATP synthase peripheral stalk-membrane subunit b	515
ATP5PD	ATP synthase peripheral stalk subunit d	10476
ATP5PF	ATP synthase peripheral stalk subunit F6	522
ATP5PO	ATP synthase peripheral stalk subunit OSCP	539
ATP5IF1	ATP synthase inhibitory factor subunit 1	93974

+ Gene identified by PrediXcan to have significantly decreased expression associated with MI

\* Gene name associated with proteins identified by MudPIT to be significantly different between WT and *Bid*<sup>-/-</sup> MPC mitochondria (see Figure 5-figure supplement 4)

**Figure 9-figure supplement 10. Table of cristae structure associated genes analyzed by PrediXcan.**

A total of 41 genes with known associations to cristae structure. Genes are identified by their names and unique Entrez Gene ID.