

GeDiPNet Cluster 46 -- Top Shared Genes

Curated genes (disease_gdp) linked to 2 or more of this cluster's member diseases, most widely shared first. Data as of: 2026-10-08 03:15:01. · Rows: 34 · Generated: 2026-10-08 02:10:18

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
RAX	7	15	Anophthalmia; Anophthalmia/microphthalmia-esophageal atresia syndrome; Colobomatous microphthalmia; Congenital cystic eyeball; Microphthalmia; Microphthalmos; Nanophthalmos
OTX2	6	15	Anophthalmia; Anophthalmia/microphthalmia-esophageal atresia syndrome; Colobomatous microphthalmia; Microphthalmia; Microphthalmos; Nanophthalmos
SOX2	6	15	Anophthalmia; Anophthalmia/microphthalmia-esophageal atresia syndrome; Colobomatous microphthalmia; Microphthalmia; Microphthalmos; Nanophthalmos
VSX2	6	15	Anophthalmia; Anophthalmia/microphthalmia-esophageal atresia syndrome; Colobomatous microphthalmia; Congenital cystic eyeball; Microphthalmia; Microphthalmos
ALDH1A3	5	15	Colobomatous microphthalmia; Congenital cystic eyeball; Microphthalmia; Microphthalmos; Nanophthalmos
GDF3	5	15	Colobomatous microphthalmia; Congenital cystic eyeball; Klippel-feil syndrome; Microphthalmia; Microphthalmos
GDF6	5	15	Colobomatous microphthalmia; Congenital cystic eyeball; Klippel-feil syndrome; Microphthalmia; Microphthalmos
PORCN	5	15	Anophthalmia/microphthalmia-esophageal atresia syndrome; Colobomatous microphthalmia; Focal dermal hypoplasia; Microphthalmia; Microphthalmos
PRSS56	5	15	Congenital cystic eyeball; isolated microphthalmia 6; Microphthalmia; Microphthalmos; Nanophthalmos
SIX6	5	15	Anophthalmia/microphthalmia-esophageal atresia syndrome; Colobomatous microphthalmia; Colobomatous optic disc macular atrophy chorioretinopathy syndrome; Microphthalmia; Nanophthalmos
STRA6	5	15	Anophthalmia; Anophthalmia/microphthalmia-esophageal atresia syndrome; Colobomatous microphthalmia; Microphthalmia; Microphthalmos
MFRP	4	15	Microphthalmia; Microphthalmia with retinitis pigmentosa and ocular anomalies; Microphthalmos; Nanophthalmos
PAX6	4	15	Anophthalmia; Anophthalmia/microphthalmia-esophageal atresia syndrome; Microphthalmia; Microphthalmos
RBP4	4	15	Anophthalmia; Colobomatous microphthalmia; Microphthalmia; Microphthalmos
ABCB6	3	15	Colobomatous microphthalmia; Microphthalmia; Microphthalmos
C14ORF39	3	15	Anophthalmia/microphthalmia-esophageal atresia syndrome; Colobomatous optic disc macular atrophy chorioretinopathy syndrome; Microphthalmia
C1QTNF5	3	15	Microphthalmia; Microphthalmia with retinitis pigmentosa and ocular anomalies; Nanophthalmos
MAB21L2	3	15	Colobomatous microphthalmia; colobomatous microphthalmia-rhizomelic dysplasia syndrome; Microphthalmia
RARB	3	15	Anophthalmia; Microphthalmia; Microphthalmos
SHH	3	15	Colobomatous microphthalmia; Microphthalmia; Microphthalmos
TENM3	3	15	Colobomatous microphthalmia; Microphthalmia; Microphthalmos
VAX1	3	15	Anophthalmia/microphthalmia-esophageal atresia syndrome; Microphthalmia; Microphthalmos
ARHGAP35	2	15	Anophthalmia; Microphthalmos
BMP4	2	15	Anophthalmia/microphthalmia-esophageal atresia syndrome; Microphthalmia
ELP4	2	15	Anophthalmia; Anophthalmia/microphthalmia-esophageal atresia syndrome
HCCS	2	15	Microphthalmia; Microphthalmos
HMGB3	2	15	Microphthalmia; X-linked colobomatous microphthalmia, microcephaly, intellectual disability, short stature syndrome
HMX1	2	15	Microphthalmia; Microphthalmos
PITX3	2	15	Anophthalmia/microphthalmia-esophageal atresia syndrome; Microphthalmos

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
SMOC1	2	15	Anophthalmia; Microphthalmia
TFAP2A	2	15	Anophthalmia/microphthalmia-esophageal atresia syndrome; Microphthalmos
TMEM98	2	15	Nanophthalmos; nanophthalmos 4
WNT7B	2	15	Anophthalmia; Anophthalmia/microphthalmia-esophageal atresia syndrome
ZNF219	2	15	Microphthalmia; Microphthalmos