

Number proteins encoded by fly genome

Function	Number	Process	Number
nucleic acid binding	1387	Cell growth, maintenance	3894
DNA binding	919	metabolism	2274
DNA repair	65	carbohydrates	53
DNA replication	38	energy pathways	69
transcription factor	694	electron transport	8
RNA binding	259	nucleic acids	1078
ribosomal protein	128	DNA metabolism	64
translation factor	69	DNA replication	57
transcription factor binding	21	DNA repair	110
cell cycle regulator	52	DNA packaging	112
chaperone	159	transcription	735
motor protein, actin binding	191	amino acids	685
defense/immunity protein	47	proteins	685
enzyme	2422	lipids	111
enzyme activator/inhibitor	76	monocarborcompounds	6
apoptosis inhibitor	15	coenzymes, prosthetic groups	23
signal transduction	622	transport	560
storage protein	12	ion homeostasis	8
cell adhesion, structural protein	519	intracellular protein transport	116
transporter	665	cell death	50
ligand binding or carrier	327	cell motility	9
ubiquitin	11	stress response	223
tumor suppressor	10	immune response	149
function unknown	7576	organelle biogenesis	417
		cell cycle	211
		cell communication	530
		developmental processes	486
		physiological processes	201
		sensory perception	64
		behaviour	54
		process unknown	8884

