

Спеціалізація	Ген білку	Символ	Організм
Біохімія	Superoxide dismutase [Cu-Zn]	SOD1	Homo sapiens
	Glutathione reductase, mitochondrial	GSR	
	Focal adhesion kinase 1	PTK2	
	Superoxide dismutase [Mn], mitochondrial	SOD2	
	Glutathione peroxidase 1	GPX1	
	Nitric oxide synthase 1	NOS1	
	Peroxiredoxin 1	PRDX1	
	Caspase 8	CASP8	
	Protein phosphatase, Mg2+/Mn2+ dependent 1K	PPM1K	
	Parkinsonism associated deglycase	PARK7	
	Telomerase reverse transcriptase	TERT	
	Peptidyl arginine deiminase 2	PADI2	
	Lysine demethylase 1A	KDM1A	
	Rho associated coiled-coil containing protein kinase 2	ROCK2	
Фізіологія людини та тварин	Insulin receptor	INSR	Homo sapiens
	gamma-aminobutyric acid type A receptor delta subunit	GABRD	
	Epidermal growth factor receptor	EGFR	
	TNF receptor superfamily member 9	TNFRSF9	
	Interferon lambda receptor 1	IFNLR1	
	Cannabinoid receptor 2	CNR2	
	Fibroblast growth factor receptor 1	FGFR1	
	Platelet-derived growth factor receptor beta	PDGFRB	
Генетика, Молекулярна біологія	Cellular tumor antigen p53	TP53	Homo sapiens
	TAR DNA binding protein	TARDBP	
	Sonic hedgehog protein	SHH	
	Hypoxia-inducible factor 1-alpha	HIF1A	
	Histone deacetylase 1	HDAC1	
	Wnt family member 4	WNT4	
	Homeobox protein Nkx-2.5	NKX2-5	
	DNA endonuclease RBBP8	RBBP8	
	Nuclear factor NF-kappa-B p105 subunit	NFKB1	
	Syntenin-1	SDCBP	
	Werner syndrome ATP-dependent helicase	WRN	
	Telomerase reverse transcriptase	TERT	
	Erythroid transcription factor	GATA1	
	Glucocorticoid receptor	NR3C1	
	GTPase KRas	KRAS	
Зоологія	Protein Wnt-8	wnt8	Xenopus laevis
	Cerberus	cer1	
	Wee1-like protein kinase 2-A	wee2-a	
	cyclin-dependent kinase 1 S homeolog	cdk1.S	
	thyroid hormone receptor, alpha L homeolog	thra.L	
	cadherin 3 S homeolog	cdh3.S	
	calmodulin 2 (phosphorylase kinase, delta) L homeolog	calm2.L	
	growth differentiation factor 1 S homeolog	gdf1.S	
	Transcription factor Sox-17-alpha-A	sox17a-a	
	Nodal homolog 2-A	nodal2-a	

Спеціалізація	Ген білку	Символ	Організм
Ботаніка, Фізіологія та біохімія рослин	Cryptochrome-1	CRY1	Arabidopsis thaliana
	Phytochrome B	PHYB	
	Photosystem I chlorophyll a/b-binding protein 3-1, chloroplastic	LHCA3	
	Glutamate--glyoxylate aminotransferase 1	GGAT1	
	Ferredoxin--NADP reductase, leaf isozyme 2, chloroplastic	LFNR2	
	Cellulose synthase A catalytic subunit 6 [UDP-forming]	CESA6	
	Chloroplast sensor kinase, chloroplastic	CSK	
	Ferritin-1, chloroplastic	FER1	
	Early light-induced protein 2, chloroplastic	ELIP2	
	Zinc finger protein ZAT10	ZAT10	
	Phosphoribulokinase, chloroplastic	At1g32060	
	ARV1 family protein	ARV1	
	AP2/B3-like transcriptional factor family protein	NGA3	
	Dicer-like 1	DCL1	
	Homeodomain-like superfamily protein	LHY	
	Zeaxanthin epoxidase (ZEP) (ABA1)	ABA1	
	molybdenum cofactor sulfurase (LOS5) (ABA3)	ABA3	
	Basic-leucine zipper (bZIP) transcription factor family protein	ABI5	
	Transducin/WD40 repeat-like superfamily protein	COP1	
	phototropin 1	PHOT1	
	GRAS family transcription factor family protein	RGA1	
	MAP kinase 4	MPK4	
	Phytochrome B	PHYB	
	Metal transporter Nramp3	NRAMP3	
Мікологія	Developmental and secondary metabolism regulator veA	veA	Aspergillus niger
	Nuclear distribution protein nudF	nudF	
	Sugar transporter	ANI_1_100014	
	Arginase	ANI_1_1110124	
	Class V chitinase	ANI_1_66184	
	Fungal specific transcription factor	ANI_1_1006084	
	Ras GTPase activating protein	ANI_1_1012064	
	Na/K ATPase alpha 1 subunit	ANI_1_1014084	
	Spore development regulator vosA	vosA	
	Cytochrome oxidase subunit 1	cox1	
	Tubulin alpha-1 chain	ANI_1_478134	

Примітка:

якщо студент бажає обрати для дослідження інший організм або ген – це можливо після узгодження з викладачем (на занятті або через e-mail)