

ABBREVIATIONS used in genetics

For other abbreviations not mentioned in this list consult also references 4642-4644, 4646, 4647 or web site <http://cgsc.biology.yale.edu>.

PLASMIDS & TRANSPOSONS

PROPERTY	DESCRIPTION		
2,4-D	2,4-dichlorophenoxy acetic acid	HspII	Host specificity II
3-CBA	3-chlorobenzoic acid	Km	Kanamycin resistance
Ac	acriflavine resistance	Lac	Lactose utilization
Aer	Production of aerobactin siderophore	Ldc	Lysine decarboxylation
Ag	Silver resistance	mob	mobilisation proficiency
Ak	Amikacin resistance	Nm	Neomycin resistance
Amo	Antimony resistance	Om	Organomercurial resistance
Ap	Ampicillin resistance	OTc	Oxytetracycline resistance
Apr	Apramycin resistance	Pb	Lead resistance
ARS	Autonomously replicating sequences	Pc	Penicillin resistance
Asa	Arsenate resistance	phes	p-fluorophenylalanine sensitivity
Asi	Arsenite resistance	Pi	Propamide isothionate resistance
Bcn	Bacteriocin production	Pmr	Phenylmercuric acetate resistance
Bi	Bismuth resistance	Rep/ts	Thermosensitive replication
Bor	Borate resistance	Sb	Antimony resistance
CAT	Chloramphenicol acetyl transferase	Sm	Streptomycin resistance
Cb	Carbenicillin resistance	Sp	Spectinomycin resistance
Cd	Cadmium resistance	ST	Heat stable enterotoxin production
CEN	Centromeric DNA regions	Su	Sulphonamide resistance
Cit	Citrate utilization	Suc	Sucrose utilization
Cm	Chloramphenicol resistance	Tc	Tetracycline resistance
Cma	Chromosome mobilising ability	Te	Tellurate & Tellurite resistance
Col	Production of colicin	Tm	Tobramycin resistance
ColA	Production of colicin A	Tp	Trimethoprim resistance
drd	Derepressed mutant	tra	Transfer proficiency
Em	Erythromycin resistance	TRP1	N-(5'-phosphoribosyl)-anthranilate isomerase
Fa	Fusidic acid resistance	Tsr	Thiostrepton resistance
Gal	Galactose utilization	Ura	Orotidine-5'-phosphate decarboxylase
Gm	Gentamicin resistance	Uv	Resistance to ultraviolet
Hg	Mercuric ion resistance		
Hspl	Host specificity I		

STRAINS

PROPERTY	DESCRIPTION		
amp	Ampicillin resistant	ompR	ompC/F regulation
ara	inability to utilize arabinose	phr	inability to photoreactivate
arg	arginine-requiring	pro	proline-requiring
chl	chloramphenicol resistant	prototrophic	growth requirements
endA	DNA-specific endonuclease I	rB ⁻	host (<i>E.coli</i> B) restriction system absent
F ⁺	Sex-factor or Hfr present	recA	recombination deficient
F ⁻	Sex-factor or Hfr absent	relA	relaxed
gal	inability to utilize galactose	rif	rifampicin resistant
gyrA	DNA gyrase subunit A(nal)	rK ⁺	host (<i>E.coli</i> K) restriction system present
his	histidine-requiring	rpoB	rifampicin resistant
hsd	Host specificity determinant	rpsL	streptomycin resistant
ile	isoleucine-requiring	str	streptomycin resistant
ilv	isoleucine-valine requiring	supE	suppressor of amber mutations
lac	inability to utilize lactose	tet	tetracycline resistant
λ ⁺	λ lysogen	thi	thiamine (vitamin B1)-requiring
λ ⁻	λ phage absent	thr	threonine-requiring
leu	leucine-requiring	thy	thymine-requiring
lys	lysine-requiring	tolQ	filamentous phage inhibition (tolerance to Class A colicins)
mal	inability to utilize maltose	tonA	T1/colicin M receptor
mB ⁻	host (<i>E.coli</i> B) restriction-modification absent	tonB	T1 & colicin sensitivity
mel	inability to utilize melibiose	trp	tryptophan-requiring
met	methionine-requiring	ts	temperature sensitive
mK ⁺	host (<i>E.coli</i> K) restriction-modification present	tsx	T6, colicin K receptor
mtl	inability to utilize mannitol	uvr	inability to repair Uv damage
nal	nalidixic acid resistant	val	valine-requiring
ompA	outer membrane protein 3a	wt	natural isolate (wild type)
ompF	outer membrane protein 1a	xyl	inability to utilize xylose