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# All PSI Vectors

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## ATCG3D

<b>name</b>	<b>description</b>	<b>selection marker</b>
pBADsmt	Bacterial (e.coli) expression vector with arabinose BAD promoter and 6xSMT tag; arabinose inducible; ampicillin resistance in bacteria; restriction enzyme cloning	ampicillin
pEMB54	Bacterial (e.coli) expression vector with arabinose BAD promoter and 6xHis and Smt3 tag; arabinose inducible; ampicillin resistance in bacteria; restriction enzyme cloning.	ampicillin
pET15b	Bacterial (e.coli) expression vector with T7 promoter and N-terminal His tag; IPTG inducible; ampicillin resistance in bacteria; restriction enzyme cloning	ampicillin
pET28a	Bacterial expression vector with T7lac promoter, adds N-terminal His tag, thrombin cleavage site, internal T7 epitope tag, C-terminal His tag; kanamycin resistance; restriction enzyme cloning.	kanamycin
pEU-E01	Cell free expression vector with SP6 promoter; ampicillin resistance in bacteria; restriction enzyme cloning.	ampicillin
pJ5	Bacterial (E. coli) expression vector; kanamycin resistance; restriction enzyme cloning.	kanamycin

## BSGC

<b>name</b>	<b>description</b>	<b>selection marker</b>
pDB.GST	Bacterial expression vector that adds GST and TEV protease site; kanamycin resistance; restriction enzyme cloning.	kanamycin
pDB.HBP	Bacterial expression vector that adds HBP and TEV protease site; kanamycin resistance; restriction enzyme cloning.	kanamycin
pDB.His.MBP	Bacterial expression vector that adds 6xHis tag, MBP, TEV protease site; kanamycin resistance; restriction enzyme cloning.	kanamycin
pDB.His.NusA	Bacterial expression vector that adds N-terminal 6xHis tag, NusA, Tev protease site; kanamycin resistance; restriction enzyme cloning.	kanamycin
pDB.His.TRX	Bacterial expression vector that adds N-terminal 6xHis tag, thioredoxin and TEV protease sites; kanamycin resistance; restriction enzyme cloning.	kanamycin

pDB.MBP	Bacterial expression vector that adds MBP, TEV protease site; kanamycin resistance; restriction enzyme cloning.	kanamycin
pDB.TRX	Bacterial expression vector that adds thioredoxin and TEV protease sites; kanamycin resistance; restriction enzyme cloning.	kanamycin
pDB-HisGST	Bacterial expression vector that adds N-terminal His6 tag, GST, TEV protease site; kanamycin resistance; restriction enzyme cloning.	kanamycin
pHGST	Vector that adds GST; kanamycin resistance; restriction enzyme cloning.	kanamycin
pHM6g	Vector that adds N-terminal 6xHis tag, MBP, Tev protease site; kanamycin resistance; restriction enzyme cloning.	kanamycin
pHTRX	Vector that adds thioredoxin site; kanamycin resistance; restriction enzyme cloning.	kanamycin
pIVEX	Expression vector; amp resistance; restriction enzyme cloning.	ampicillin
pLIC.HM6g	Bacterial expression vector, adds N-terminal 6xHis tag, MBP, Tev protease site; amp resistance; ligation independent cloning SmaI (LIC-SmaI).	ampicillin
pLICB.E	Bacterial expression vector, adds N-terminal tag; amp resistance; ligation independent cloning (LIC).	ampicillin
pLICB.H	Bacterial expression vector that adds N-terminal 6xHis tag; amp resistance; ligation independent cloning SmaI (LIC-SmaI).	ampicillin
pLICB.HG	Bacterial expression vector, adds N-terminal tag, TEV site; amp resistance; ligation independent cloning (LIC).	ampicillin
pLICB.HM	Bacterial expression vector that adds N-terminal 6xHis tag, MBP, TEV protease site; amp resistance; ligation independent cloning SmaI (LIC-SmaI).	ampicillin
pLICB.HN	Bacterial expression vector, adds N-terminal tag, TEV site; amp resistance; ligation independent cloning (LIC).	ampicillin
pLICB.HV	Bacterial expression vector that adds N-terminal 6xHis tag, TEV protease site; amp resistance; ligation independent cloning SmaI (LIC-SmaI).	ampicillin
pLICE	Bacterial expression vector with no tag; amp resistance; ligation independent cloning (LIC).	ampicillin
pLICH	Bacterial expression vector, adds N-terminal tag; amp resistance; ligation independent cloning (LIC).	ampicillin

pLICHGV	Bacterial expression vector, adds N-terminal tag; amp resistance; ligation independent cloning (LIC).	ampicillin
pLICHMV	Bacterial expression vector, adds N-terminal tag; amp resistance; ligation independent cloning (LIC).	ampicillin
pLICHV	Bacterial expression vector, adds N-terminal tag; amp resistance; ligation independent cloning (LIC).	ampicillin
pLR1	Bacterial expression vector that adds N-terminal and C-terminal tags; amp resistance; recombinational cloning (Gateway lambda att-type cloning).	ampicillin
pM3a	NA	ampicillin
pM5A	NA	ampicillin
pMH	NA	ampicillin
pMMHa	NA	ampicillin
pSJSB2	Expression vector with T7 promoter; spectinomycin resistance; restriction enzyme cloning.	spectinomycin
pSKB3	Putative expression vector; putative amp resistance; unknown cloning.	ampicillin
pSUMO	Expression vector with T7 promoter, SUMO fragment; kanamycin resistance; restriction enzyme cloning.	kanamycin

## CESG

<b>name</b>	<b>description</b>	<b>selection marker</b>
p4-Hb	Mycoplasma coexpression expression vector with the Phsp promoter and C-terminal c-myc tag; hygromycin resistance in bacteria and mycobacteria; restriction enzyme cloning (AsiSI, PmeI).	hygromycin
p4-Ib	Mycoplasma coexpression expression vector with the Pimyc promoter and C-terminal c-myc tag; hygromycin resistance in bacteria and mycobacteria; restriction enzyme cloning (AsiSI, PmeI).	hygromycin
p4-Sb	Mycoplasma coexpression expression vector with the Psmc promoter and C-terminal c-myc tag; hygromycin resistance in bacteria and mycobacteria; restriction enzyme cloning (AsiSI, PmeI).	hygromycin

p9T	Mycoplasma coexpression expression vector with the PtetO promoter; tetracycline-inducible expression of insert; hygromycin resistance in bacteria and mycobacteria; restriction enzyme cloning (PtetO gene: PacI, SbfI; second constitutively expressed gene: AsiSI, SrfI).	hygromycin
p9T-c	Mycoplasma coexpression expression vector with the PtetO promoter; tetracycline-inducible expression of insert; hygromycin resistance in bacteria and mycobacteria; restriction enzyme cloning (PtetO gene: AsiSI, PmeI; second constitutively expressed gene: PacI, SbfI).	hygromycin
p9T-H	Mycoplasma coexpression expression vector with the PtetO promoter and Phsp promoter; tetracycline-inducible expression of insert; hygromycin resistance in bacteria and mycobacteria; restriction enzyme cloning (PtetO gene: AsiSI, PmeI; Phsp gene: PacI, SbfI).	hygromycin
p9T-I	Mycoplasma coexpression expression vector with the PtetO promoter and Pimyc promoter; tetracycline-inducible expression of insert; hygromycin resistance in bacteria and mycobacteria; restriction enzyme cloning (PtetO gene: AsiSI, PmeI; Pimyc gene: PacI, SbfI).	hygromycin
p9T-S	Mycoplasma coexpression expression vector with the PtetO promoter and Psmc promoter; tetracycline-inducible expression of insert; hygromycin resistance in bacteria and mycobacteria; restriction enzyme cloning (PtetO gene: AsiSI, PmeI; Psmc gene: PacI, SbfI).	hygromycin
pEU-GST	Cell-free expression vector, adds N-terminal GST tag and 3CP cleavage site; amp resistance; restriction enzyme cloning.	ampicillin
pEU-GST-FV	Cell-free expression vector, adds N-terminal GST tag and 3CP cleavage site; amp resistance; restriction enzyme cloning (SgfI, PmeI).	ampicillin
pEU-His	Cell-free expression vector, adds N-terminal 6xHis tag; amp resistance; restriction enzyme cloning.	ampicillin
pEU-His-FV	Cell-free expression vector, adds N-terminal 6xHis tag; amp resistance; restriction enzyme cloning (SgfI, PmeI).	ampicillin
pEU-HSBC	In Vitro SP6 transcription & wheat germ cell free protein expression vector with a SP6 promoter and N-terminal 6xHis-MBP tag; ampicillin resistance in bacteria; restriction enzyme cloning.	ampicillin
pMYC4-H	Mycoplasma coexpression expression vector with the Phsp promoter and C-terminal c-myc tag; hygromycin resistance in bacteria and mycobacteria; restriction enzyme cloning ( NdeI, SbfI).	hygromycin
pMYC4-Hp	Mycoplasma coexpression expression vector with the Phsp promoter and C-terminal c-myc tag; newer version of pMYC4-H suitable for universal cloning by PacI and SbfI sites; hygromycin resistance in bacteria and mycobacteria; restriction enzyme cloning (PacI, SbfI).	hygromycin

pMYC4-I	Mycoplasma coexpression expression vector with the Pimyc promoter and C-terminal c-myc tag; hygromycin resistance in bacteria and mycobacteria; restriction enzyme cloning (PacI, SbfI).	hygromycin
pMYC4-S	Mycoplasma coexpression expression vector with the Psmyc promoter and C-terminal c-myc tag; hygromycin resistance in bacteria and mycobacteria; restriction enzyme cloning (PacI, SbfI).	hygromycin
pMYC5-H	Mycoplasma coexpression expression vector with the Phsp promoter and C-terminal c-myc tag; modified from pMYC4-H with unique SrfI site; hygromycin resistance in bacteria and mycobacteria; restriction enzyme cloning (NdeI, SbfI).	hygromycin
pVP13	Bacterial (E. coli) expression, adds N-terminal S-tag, 6xHis and MBP, adds TEV site on 5p end of insert; amp resistance; recombinational cloning.	ampicillin
pVP16	Bacterial (E. coli) expression, adds N-terminal 8xHis and MBP, adds TEV site on 5p end of insert; amp resistance; recombinational cloning.	ampicillin
pVP33A	Bacterial (E. coli) expression, adds N-terminal 8xHis, MBP, 3CP cleavage, tetra-cys, Tev cleavage; amp resistance; restriction enzyme cloning (SgfI, PmeI).	ampicillin
pVP33K	Bacterial (E. coli) expression, adds N-terminal 6xHis tag, MBP, 3CP cleavage, tetra-cys, Tev cleavage; kanamycin resistance; restriction enzyme cloning (SgfI, PmeI).	kanamycin
pVP56A	Bacterial (E. coli) expression, adds N-terminal 8xHis, MBP, 3CP cleavage, Tev cleavage; amp resistance; restriction enzyme cloning (SgfI, PmeI).	ampicillin
pVP56K	Bacterial (E. coli) expression, adds N-terminal 8xHis, MBP, 3CP cleavage, Tev cleavage; kanamycin resistance; restriction enzyme cloning (SgfI, PmeI).	kanamycin
pVP65K	Bacterial (E. coli) expression; auto-cleaving N-terminal MBP tag, leaves an N-terminal 8xHis tagged protein; kanamycin resistance in bacteria; restriction enzyme cloning (SgfI, PmeI); Cloning into this vector will remove the BarCat cassette.	kanamycin
pVP68K	Bacterial (E. coli) expression with N-terminal 8xHis, MBP tag; kanamycin resistance in bacteria; restriction enzyme cloning (SgfI, PmeI); Cloning into this vector will remove the BarCat cassette.	kanamycin
pVP80K	Bacterial expression vector with a T5 promoter and N-terminal 8xHis-MBP tag; kanamycin resistance in bacteria; restriction enzyme cloning.	kanamycin
pVP81K	Bacterial expression vector with a T5 promoter with an auto-cleaving (TVMV protease) N-terminal MBP tag that leaves an N-terminal 8xHis tagged protein; kanamycin resistance in bacteria; restriction enzyme cloning.	kanamycin

pVP91A                      Bacterial expression vector with a T5 promoter and N-terminal 8xHis tag; ampicillin resistance in bacteria; restriction enzyme cloning.                      ampicillin

## CHTSB

<b>name</b>	<b>description</b>	<b>selection marker</b>
BG1805	Yeast expression vector with Gal1 promoter, adds C-terminal His6-HA-3C-ZZ tag; amp resistance (URA for yeast); Gateway (lambda att-type) recombinational cloning.	ampicillin
BG2483	Yeast expression vector with GAL1 promoter, adds C-terminal 3C site, HA epitope, His6, ZZ domain; amp resistance (URA3 for yeast); ligation independent cloning (LIC).	ampicillin
BG2522	Yeast expression vector with GAL1 promoter, adds C-terminal 3C site, HA epitope, His6, ZZ domain; amp resistance (LEU2 for yeast); ligation independent cloning (LIC).	ampicillin
pSGP36	Yeast expression vector with Gal1 promoter, adds C-terminal 3C-his10 tag; amp resistance (URA for yeast); ligation independent cloning (LIC).	ampicillin
pSGP40	Yeast expression vector with Gal1 promoter, adds C-terminal 3C-ZZ-His10 tag; amp resistance (URA for yeast); ligation independent cloning (LIC).	ampicillin
pSGP46	Yeast expression vector with Adh2 promoter, adds C-terminal 3C-ZZ-10XHis tag; ampicillin resistance (bacteria); uracil resistance (yeast); ligation independent cloning (LIC).	ampicillin
pSGP47	Yeast expression vector with Adh2 promoter, adds 3C protease cleavage site and 10xHis tag; ampicillin resistance (bacteria); uracil (yeast); ligation independent cloning (LIC).	ampicillin

## CHTSB/MPSBC

<b>name</b>	<b>description</b>	<b>selection marker</b>
pSGP17	Yeast expression vector with a AOX1 promoter C-terminal CBP and RSG-6xHis tag with 3C protease cleavage site and pre-pro-alpha-factor leader sequence; zeocin resistance in Pichia and in bacteria; ligation independent cloning (LIC)	zeocin
pSGP18	Yeast expression vector with a AOX1 promoter C-terminal CBP and RSG-6xHis tag with 3C protease cleavage site; zeocin resistance in Pichia and in bacteria; ligation independent cloning (LIC)	zeocin

## CSMP

<b>name</b>	<b>description</b>	<b>selection marker</b>
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PCDF Bravo	Bacterial expression vector with T7 promoter, N-terminal His tag and C-terminal Flag tag; ligation independent cloning (LIC) clone; streptomycin resistance in bacteria.	streptomycin
pcDNA3.1plus-hygro	Mammalian expression vector; amp resistance (hygromycin for mammalian cells); restriction enzyme cloning.	ampicillin
pcDNA5-FRT	Mammalian expression vector with FRT site for stable integration into cells; amp resistance (hygromycin for mammalian cells); restriction enzyme cloning.	ampicillin
pEGFP-C1	Mammalian expression vector, adds C-terminal GFP tag; kanamycin resistance (neomycin for mammalian cells); restriction enzyme cloning.	kanamycin
pGEM-T-Easy	Cloning vector; amp resistance; T-overhang cloning.	ampicillin
pH3C-LIC	Bacterial expression vector with N-terminal 8x His tag separated from the insert by a 3C protease cleavage site; kanamycin resistance in bacteria; ligation independent cloning (LIC)	kanamycin
pHIS8	Gateway compatible bacterial expression vector with T7 promoter, N- and C-terminal His tags and thrombin cleavage site; contains ccdB death cassette that is removed after recombinational cloning; kanamycin resistance in bacteria; recombinational cloning.	ampicillin
pHIS9	Gateway compatible bacterial expression vector with T7 promoter and N-terminal His tag; contains ccdB death cassette that is removed after recombinational cloning; kanamycin resistance in bacteria; recombinational cloning.	kanamycin
pHM3C-LIC	Bacterial expression vector with N-terminal 6xHis and MBP tags separated from the insert by a 3C protease cleavage site; kanamycin resistance in bacteria; ligation independent cloning (LIC)	kanamycin
pLIC-CH	Bacterial expression vector with C-terminal 8x His tag separated from the insert by a TEV protease cleavage site; kanamycin resistance in bacteria; ligation independent cloning (LIC)	kanamycin
pLIC-EGFP	Bacterial expression vector with C-terminal EGFP and 8x His tag separated from the insert by a TEV protease cleavage site; kanamycin resistance in bacteria; ligation independent cloning (LIC)	kanamycin
pMIS2.1mv	Gateway compatible bacterial expression destination vector with N-terminal 8xHis tag and Mistic (from <i>B. subtilis</i> ) tag; contains ccdB death cassette that is removed after recombinational cloning; ampicillin resistance in bacteria; recombinational cloning.	ampicillin
pOX	Amphibian expression (e.g. <i>Xenopus</i> oocyte expression) and cloning vector with LacZ capabilities; amp resistance; restriction enzyme cloning.	ampicillin

pSPORT1 Cloning vector; amp resistance; restriction enzyme cloning. ampicillin

## ISFI

<b>name</b>	<b>description</b>	<b>selection marker</b>
pCDF-Duet	Bacterial expression vector with two multiple cloning site; ORF 1 has a N-terminal 6xHis tag; ORF 2 has a C-terminal S-tag; streptomycin resistance in bacteria; restriction enzyme cloning.	streptomycin
pET28b-C-His	Expression vector with T7 promoter, adds C-terminal His tag; kanamycin resistance; restriction enzyme cloning.	kanamycin
pET28-N-His-SUMO	Expression vector with T7 promoter, adds N-terminal His tag, SUMO tag; kanamycin resistance; restriction enzyme cloning.	kanamycin
pET28-N-His-thromb	Expression vector with T7 promoter, adds N-terminal His tag, thrombin site; kanamycin resistance; restriction enzyme cloning.	kanamycin
pET28-N-His-thromb-C-strep	Expression vector with T7 promoter, adds N-terminal His tag, thrombin site, C-terminal strep tag; kanamycin resistance; restriction enzyme cloning.	kanamycin
pET46EK-LIC	Bacterial expression vector with a T7 promoter, N-terminal His tag and EK protease site and a C-terminal S-tag; ampicillin resistance in bacteria; ligation independent cloning (LIC).	ampicillin
pET-DUETm	Bacterial expression vector with twomultiple cloning site; ORF 1 has a N-terminal 6xHis tag followed by a TEV protease site; ORF 2 has a C-terminal S-tag; ampicillin resistance in bacteria; restriction enzyme cloning.	ampicillin
pIVEX-His-MBP-TEV	Expression vector with T7 promoter, adds N-terminal His tag, MBP, TEV cleavage site; amp resistance; restriction enzyme cloning.	ampicillin
pMA507	E. coli expression vector with a T7 promoter, N-terminal 6xHis tag and TEV protease cleavage site; contains the ccdB death cassette; kanamycin resistance in bacteria; ligation independent cloning (LIC).	kanamycin
pMA510	Bacterial expression vector with a T7 promoter, N-terminal MBP fusion-6xHis tag-TEV protease site; contains the ccdB death cassette; kanamycin resistance in bacteria; ligation independent cloning (LIC).	kanamycin
pMAPLe3	Bacterial expression vector with a T7 promoter, N-terminal MBP fusion-6xHis tag-TEV protease site; constitutively expresses TEV protease to produce C-terminal His-tagged protein; contains the ccdB death cassette; kanamycin resistance in bacteria; ligation independent cloning (LIC).	kanamycin
pTYB12-Intein	Expression vector with T7 promoter, adds cleavable N-terminal intein tag; amp resistance; restriction enzyme digest.	ampicillin

# JCSG

<b>name</b>	<b>description</b>	<b>selection marker</b>
pBLUNT	Bacterial expression vector with a pBAD promoter; ampicillin resistance in bacteria; PIPE cloning	ampicillin
pCA24N	Bacterial expression vector with T5 promoter and N-terminal 6xHis tag; chloramphenicol resistance in bacterial; restriction enzyme cloning	chloramphenicol
pMH1	Bacterial (E. coli) expression vector, arabinose inducible expression, adds N-terminal tag; amp resistance; restriction enzyme (Pml I/Psi I) or PIPE cloning.	ampicillin
pMH1F	Expression vector with araBAD promoters, adds N-terminal 6xThio and 6xHis tags, amp resistance; restriction enzyme cloning.	ampicillin
pMH1TEV	Bacterial expression vector, arabinose or T7 induced expression, adds N-terminal MGSDKIHSHHHHHENLYFQG tag; amp resistance; PIPE cloning.	ampicillin
pMH2T7	Bacterial (E. coli) expression vector, arabinose or T7 induced expression, adds N-terminal MGSDKIHSHHHHH tag; amp resistance; restriction enzyme (Pml I/Pac I) or PIPE cloning.	ampicillin
pMH2T7TEV	Bacterial expression vector, arabinose or T7 induced expression, adds N-terminal MGSDKIHSHHHHHENLYFQG tag; amp resistance; PIPE cloning.	ampicillin
pMH4	Bacterial expression vector, arabinose or T7 induced expression, adds N-terminal MGSDKIHSHHHHH tag; amp resistance; restriction enzyme (Pml I/Pac I) or PIPE cloning.	ampicillin
pMH4TEV	Bacterial expression vector, arabinose or T7 induced expression, adds N-terminal MGSDKIHSHHHHHENLYFQG tag; amp resistance; PIPE cloning.	ampicillin
pMKQ	Bacterial expression vector with a pBAD/T7 promoter and N-terminal 6xHis tag; ampicillin resistance in bacteria; PIPE cloning	ampicillin
pSpeedE	Bacterial expression vector, arabinose or T7 induced expression, adds N-terminal MGSDKIHSHHHHH tag; kanamycin resistance; PIPE cloning.	kanamycin
pSpeedE5T	Bacterial expression vector with a pBAD/T7 promoter and TEV-cleavable N-terminal 6xHis tag; kanamycin resistance in bacteria; PIPE cloning	kanamycin
pSpeedEDT	Bacterial expression vector, arabinose or T7 induced expression, adds N-terminal MGSDKIHSHHHHHDYDIPTTENLYFQG tag; kanamycin resistance; PIPE cloning.	kanamycin

pSpeedEGST	Bacterial expression vector, arabinose or T7 induced expression, adds N-terminal GST and HHHHHHENLYFQG tag; kanamycin resistance; PIPE cloning.	kanamycin
pSpeedENATS	Bacterial expression vector with a pBAD/T7 promoter and TEV-cleavable N-terminal 6xHis alpha synuclein (SCNA) tag; kanamycin resistance in bacteria; PIPE cloning	kanamycin
pSpeedET	Bacterial expression vector, arabinose or T7 induced expression, adds N-terminal MGSDKIHNNHHHENLYFQG tag; kanamycin resistance; PIPE cloning.	kanamycin
pSpeedETS	Bacterial expression vector, arabinose or T7 induced expression, adds N-terminal 6xThio/6xHis tag; kanamycin resistance; PIPE cloning.	kanamycin

## MCSG

<b>name</b>	<b>description</b>	<b>selection marker</b>
p11	Bacterial (E. coli) expression vector, adds His tag, TEV cleavage site; amp resistance; restriction enzyme cloning.	ampicillin
p15Tv-LIC	Bacterial (E. coli) expression vector, adds His tag, TEV cleavage site; amp resistance; recombinational cloning (InFusion, BseRI).	ampicillin
p283	Bacterial (E. coli) expression vector, adds His tag, C-terminal TEV cleavage site fusion; amp resistance; restriction enzyme cloning.	ampicillin
pCAT	Bacterial (E. coli) expression vector, adds HIS then FLAG tag, improves solubility of expressed insert; amp and chloramphenicol resistance; restriction enzyme cloning.	amp chlor
pET15b-TEV	Bacterial (E. coli) expression vector, adds His tag, TEV cleavage site; amp resistance; restriction enzyme cloning.	ampicillin
pET21a	Bacterial expression vector with T7lac promoter, adds N-terminal T7 epitope tag and C-terminal His tag; amp resistance; restriction enzyme cloning.	ampicillin
pET23b	Bacterial expression vector with T7 promoter, adds N-terminal T7 tag and C-terminal His tag; amp resistance; restriction enzyme cloning.	ampicillin
pET28a	Bacterial expression vector with T7lac promoter, adds N-terminal His tag, thrombin cleavage site, internal T7 epitope tag, C-terminal His tag; kanamycin resistance; restriction enzyme cloning.	kanamycin
pET28-LIC	Bacterial (E. coli) expression vector, adds His tag, thrombin cleavage site; kanamycin resistance; recombinational cloning (InFusion, BseRI).	kanamycin
pET3	Bacterial expression vector with T7 promoter, adds N-terminal T7 epitope tag; amp resistance; restriction enzyme cloning.	ampicillin

pFASTBAC1	Transfer vector (to E. coli from expression bacmid) with polyhedrin promoter, adds SV40 polyA site; amp resistance (gentamycin for selection in insect cells); restriction enzyme cloning.	ampicillin
pMCentr1	cloning vector to link to Gateway system, with attL1-TEV-LIC site-attL2; zeocin resistance; ligation independent cloning to make pENTR vector for recombinational cloning	zeocin
pMCentr2	cloning vector to link to Gateway system with attL1-TEV-LIC site-attL2; kanamycin resistance; ligation independent cloning to make pENTR vector for recombinational cloning	kanamycin
pMCentr3	destination vector to accept inserts from pENTR clones; attL1-TVMV-LIC site-attL2; kanamycin resistance; ligation independent cloning to Gateway	kanamycin
pMCSG10	Vector with tags for solubility of insert, with T7 promoter, adds N-terminal His tag, GST, TEV, SNA; amp resistance; restriction enzyme cloning.	ampicillin
pMCSG11	Coexpression vector with T7 promoter, adds N-terminal His tag, TEV, SNA; chloramphenicol resistance; ligation independent cloning (LIC).	chlor
pMCSG12	Coexpression vector with T7 promoter, adds N-terminal His tag, Sloop, TEV, SNA; chloramphenicol resistance; ligation independent cloning (LIC).	chlor
pMCSG13	Coexpression vector with T7 promoter, adds N-terminal His tag, MBP, TEV, SNA; chloramphenicol resistance; ligation independent cloning (LIC).	chlor
pMCSG14	Coexpression vector with T7 promoter, adds N-terminal His tag, GST, TEV, SNA; chloramphenicol resistance; ligation independent cloning (LIC).	chlor
pMCSG17	Coexpression vector with T7 promoter, adds N-terminal Stag, TEV, SNA; amp resistance; ligation independent cloning (LIC).	ampicillin
pMCSG18	Screening vector with T7 promoter, adds N-terminal His tag, TEV, LICs, GFP; amp resistance; ligation independent cloning (LIC).	ampicillin
pMCSG19	Vector for solubility of insert and for purification, with T7 promoter, adds N-terminal MBP, TVMV, His, TEV, NA; amp resistance; ligation independent cloning (LIC).	ampicillin
pMCSG19C	Vector for solubility of insert and for purification, with T7 promoter, adds N-terminal MBP, TVMV, His, TEV, NA; amp resistance; ligation independent cloning (LIC).	ampicillin
pMCSG20	Coexpression vector with T7 promoter, adds N-terminal Stag, GST, TEV, SNA; amp resistance; ligation independent cloning (LIC).	ampicillin

pMCSG21	Coexpression vector with T7 promoter, adds N-terminal His, TEV, SNA; spectinomycin spectinomycin resistance; ligation independent cloning (LIC).	
pMCSG22	Coexpression vector with T7 promoter, adds N-terminal His, Sloop, TEV, SNA; spectinomycin resistance; ligation independent cloning (LIC).	spectinomycin
pMCSG23	Coexpression vector with T7 promoter, adds N-terminal His, MBP, TEV, SNA; spectinomycin resistance; ligation independent cloning (LIC).	spectinomycin
pMCSG24	Coexpression vector with T7 promoter, adds N-terminal His, GST, TEV, SNA; spectinomycin resistance; ligation independent cloning (LIC).	spectinomycin
pMCSG28	Bacterial expression vector with T7 promoter, 6xHis tag, TEV protease cleavage site; ampicillin resistance in bacteria; ligation independent cloning	ampicillin
pMCSG30	Bacterial expression vector with T7 promoter, His and MBP tags; TEV protease cleavage site; also expresses SacB gene for negative selection; ampicillin resistance in bacteria; ligation independent cloning	ampicillin
pMCSG48	Bacterial expression vector with a T7 promoter and N-terminal 8xHis NusA tag, TEV cleavable; ampicillin resistance in bacteria; Ligation Independent cloning	ampicillin
pMCSG49	Bacterial expression vector with a T7 promoter and N-terminal 6xHis tag, TEV cleavable; ampicillin resistance in bacteria; Ligation Independent cloning.	ampicillin
pMCSG51	Bacterial expression vector with T7 promoter, N-terminal 6xHis tag adjacent to biotinylation site followed by TEV protease cleavage site; expresses biotin ligase (BirA); ampicillin resistance in bacteria; ligation independent cloning.	ampicillin
pMCSG53	Bacterial expression vector with a T7 promoter and TEV-cleavable N-terminal 6xHis tag; Contains rate argU and ileX tRNA genes; ampicillin resistance in bacteria; ligation independent cloning.	ampicillin
pMCSG54	Bacterial expression vector with a T7 promoter and N-terminal Flag and 6xHis tag followed by TEV protease cleavage site ; ampicillin resistance in bacteria; ligation independent cloning.	ampicillin
pMCSG55	Bacterial expression vector with T7 promoter and N-terminal 6xHis and HA tags followed by TEV protease cleavage site; ampicillin resistance in bacteria; ligation independent cloning	ampicillin
pMCSG56	Bacterial expression vector with T7 promoter and N-terminal 6xHis and double HA tags followed by TEV protease cleavage site; ampicillin resistance in bacteria; ligation independent cloning	ampicillin

pMCSG57	Bacterial expression vector with T7 promoter and N-terminal 6xHis and StrepII (Avi) tag followed by a TEV protease cleavage site; ampicillin resistance in bacteria; ligation independent cloning	ampicillin
pMCSG60	Bacterial co-expression vector with a T7 promoter and TEV-cleavable N-terminal 6xHis tag (before first LIC site); ampicillin resistance in bacteria; ligation independent cloning	ampicillin
pMCSG68	Bacterial expression vector with a T7 promoter and TEV-cleavable N-terminal 6xHis and StrepII tags; rare argU and ileX codons; ampicillin resistance in bacteria; ligation independent cloning	ampicillin
pMCSG69	Bacterial expression vector with a T7 promoter and N-terminal MBP tag, TVMV cleavage site, 6xHis tag and TEV protease cleavage site with argU and ileX tRNA genes; ampicillin resistance in bacteria; ligation independent cloning	ampicillin
pMCSG7	Bacterial expression vector with T7 promoter, adds N-terminal His tag and TEV protease site; amp resistance; ligation independent cloning (LIC).	ampicillin
pMCSG8	Vector facilitating reduced protein toxicity, with T7 promoter, adds N-terminal His tag, Sloop, TEV, SNA; amp resistance; ligation independent cloning (LIC).	ampicillin
pMCSG9	Vector with tags for solubility of insert, with T7 promoter, adds N-terminal His tag, MBP, TEV, SNA; amp resistance; ligation independent cloning (LIC).	ampicillin

## MPSbyNMR

<b>name</b>	<b>description</b>	<b>selection marker</b>
pET16b	Bacterial expression vector with a T7 promoter and Factor Xa cleavable N-terminal 6xHis tag; ampicillin resistance in bacteria; restriction enzyme cloning.	ampicillin

## NESG

<b>name</b>	<b>description</b>	<b>selection marker</b>
pET14Cc	Bacterial (E. coli) expression vector with T7 promoter, adds N-terminal His tag; amp resistance; restriction enzyme cloning.	ampicillin
pET15_NESG	Bacterial (E. coli) expression vector with T7 lac promoter, adds N-terminal His tag; amp resistance; restriction enzyme cloning.	ampicillin
pET15TEV_NESG	Bacterial (e.coli) expression vector with T7 promoter and N-terminal TEV-cleavable 6xHis tag; ; ampicillin resistance in bacteria; restriction enzyme cloning	ampicillin

pET21_NESG	Bacterial (E. coli) expression vector with T7 lac promoter, adds C-terminal His tag; amp resistance; restriction enzyme cloning.	ampicillin
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## NYCOMPS

<b>name</b>	<b>description</b>	<b>selection marker</b>
NYCOMPS-RB-1003	Mammalian expression vector; tetracycline inducible CMV promoter; C terminal Flag epitope and His tag; tags can be removed by TEV protease; expresses EBNA-1 to maintain plasmid as episome; Ampicillin resistance in bacteria and hygromycin resistance in mammalian cells; cloning by restriction enzymes.	ampicillin
NYCOMPS-RB-1004	Mammalian expression vector; tetracycline inducible CMV promoter; N terminal Flag epitope and His tag; tags can be removed by TEV protease; expresses EBNA-1 to maintain plasmid as episome; Ampicillin resistance in bacteria and hygromycin resistance in mammalian cells; cloning by restriction enzymes.	ampicillin
pNYCOMPS1	Bacterial expression vector with T7 promoter, adds C-terminal EGFP and 10xHis tag; kanamycin resistance; restriction enzyme cloning (including rare-cutter cloning into MCS).	kanamycin
pNYCOMPS-LIC-FH10T+ (C term)	Bacterial expression vector; T7 promoter; N terminal 10X His and Flag epitope tags; tags can be removed by TEV protease; kanamycin resistance; ligation independent cloning.	kanamycin
pNYCOMPS-LIC-FH10T+ (N term)	Bacterial expression vector; T7 promoter; C terminal Flag epitope and 10X His tags; tags can be removed by TEV protease; kanamycin resistance; ligation independent cloning.	kanamycin
pNYCOMPS-TH-ccdB (C term)	Bacterial (e. coli) expression vector with T7 promoter, C-terminal 10xHis tag and TEV protease cleavage site; contains ccdB death cassette which is removed after LIC cloning; kanamycin resistance in bacteria; ligation independent cloning.	kanamycin

## NYSGRC

<b>name</b>	<b>description</b>	<b>selection marker</b>
pNIC28-Bsa4	Bacterial expression vector with T7 promoter and N-terminal TEV-cleavable 6xHis tag; kanamycin resistance in bacteria; ligation independent cloning	kanamycin

## NYSGXRC

<b>name</b>	<b>description</b>	<b>selection marker</b>
pFASTBAC1-C-His-TOPO	Baculovirus vector, adds C-terminal 6xHis tag and TEV protease site; amp resistance; TOPO cloning.	ampicillin
pNYSGXRC	Bacterial (E. coli) expression vector for directionaly cloning, similar to BS vector; kanamycin resistance; directional cloning (restriction enzyme cloning).	kanamycin

pSB2	Bacterial (E. coli) expression vector with T7 promoter, adds N-terminal 6xHis tag; kanamycin resistance; TOPO cloning.	kanamycin
pSB3	Bacterial (E. coli) expression vector with T7 promoter, adds C-terminal 6xHis tag; kanamycin resistance; TOPO cloning.	kanamycin
pSGX2	Bacterial (E. coli) expression vector with T7 promoter, adds N-terminal 6xHis tag; kanamycin resistance; TOPO cloning.	kanamycin
pSGX3	Bacterial (E. coli) expression vector with T7 promoter, adds C-terminal 6xHis tag; kanamycin resistance; TOPO cloning.	kanamycin
pSGX4	Bacterial (E. coli) expression vector with T7 promoter, adds N-terminal 6xHis and smt-3 tags, cleavage site; kanamycin resistance; TOPO cloning.	kanamycin
pSGX6	Bacterial (E. coli) expression vector with T7 promoter, adds N-terminal 6xHis and smt tags, cleavage site, also expresses lambda phosphatase; kanamycin resistance; TOPO cloning.	kanamycin
pSGX-TOPO	Baculovirus vector, adds N-terminal 6xHis tag and TEV protease site; kanamycin resistance; TOPO cloning.	kanamycin

## SESGC

<b>name</b>	<b>description</b>	<b>selection marker</b>
pET14b	Bacterial (E. coli) expression vector with T7 promoter, adds thrombin cleavage site; amp resistance; restriction enzyme cloning.	ampicillin
pET15g	Bacterial (E. coli) expression vector, adds N-terminal His tag followed by thrombin cleavage site; amp resistance; recombinational cloning.	ampicillin
pTrcHis-TOPOd	Bacterial (E. coli) expression vector with trc promoter, lac operator, adds His tag; amp resistance; TOPO TA cloning.	ampicillin

## TEMIMPS

<b>name</b>	<b>description</b>	<b>selection marker</b>
pET28b(+)	Bacterial expression vector with T7 promoter; kanamycin resistance; restriction enzyme cloning.	kanamycin

## TRANSPORTPDB

<b>name</b>	<b>description</b>	<b>selection marker</b>
pPICZa	Pichia pastoris expression vector with N-terminal c-myc and 6xHis tags; zeocin resistance; restriction enzyme cloning	zeocin