ABRIDGED GENETIC ENGINEERING SEQUENCE LABORATORY REAGENTS

1.1 Micropipette Use	RD	Red dye solution
1.2 Gel Electrophoresis	RD	Red dye solution
	S1	Dye solution 1
	S2	Dye solution 2
	S 3	Dye solution 3
	1x SB	1x sodium borate buffer
2A Plasmid Restriction	2.5xB	2.5x restriction buffer
	RP	pARA-R plasmid
	RE	Restriction enzymes BamHI and HindIII
	dH ₂ O	Distilled water
4A Verification	R–	Nondigested pARA-R from Laboratory 2A
	R+	Digested pARA-R from Laboratory 2A
	LD	Loading dye
	Μ	DNA ladder (marker)
	1x SB	1x sodium borate buffer
5A Transformation	1x SB RP	1x sodium borate buffer pARA-R plasmid
5A Transformation		
5A Transformation	RP	pARA-R plasmid
5A Transformation	RP LB	pARA-R plasmid Luria Broth
5A Transformation	RP LB CC	pARA-R plasmid Luria Broth Chilled competent <i>E. Coli</i> cells
5A Transformation 6A Cell Lysis	RP LB CC amp	pARA-R plasmid Luria Broth Chilled competent <i>E. Coli</i> cells Ampicillin
	RP LB CC amp ara	pARA-R plasmid Luria Broth Chilled competent <i>E. Coli</i> cells Ampicillin Arabinose
	RP LB CC amp ara EC	pARA-R plasmid Luria Broth Chilled competent <i>E. Coli</i> cells Ampicillin Arabinose LB/amp/ara culture of <i>E. coli</i> cells
6A Cell Lysis	RP LB CC amp ara EC EB	pARA-R plasmid Luria Broth Chilled competent <i>E. Coli</i> cells Ampicillin Arabinose LB/amp/ara culture of <i>E. coli</i> cells Elution buffer Lysis buffer
	RP LB CC amp ara EC EB LyB	pARA-R plasmid Luria Broth Chilled competent <i>E. Coli</i> cells Ampicillin Arabinose LB/amp/ara culture of <i>E. coli</i> cells Elution buffer
6A Cell Lysis	RP LB CC amp ara EC EB LyB EC	pARA-R plasmid Luria Broth Chilled competent <i>E. Coli</i> cells Ampicillin Arabinose LB/amp/ara culture of <i>E. coli</i> cells Elution buffer Lysis buffer Lysed cells from <i>Laboratory 6A</i>
6A Cell Lysis	RP LB CC amp ara EC EB LyB EC BB	pARA-R plasmid Luria Broth Chilled competent <i>E. Coli</i> cells Ampicillin Arabinose LB/amp/ara culture of <i>E. coli</i> cells Elution buffer Lysis buffer Lysed cells from <i>Laboratory 6A</i> Binding buffer
6A Cell Lysis	RP LB CC amp ara EC EB LyB EC BB WB	pARA-R plasmid Luria Broth Chilled competent <i>E. Coli</i> cells Ampicillin Arabinose LB/amp/ara culture of <i>E. coli</i> cells Elution buffer Lysis buffer Lysed cells from <i>Laboratory 6A</i> Binding buffer Wash buffer