

OCTOBER

Sunday October 1st, 2017

- Test overexpressed HisRS (pJET), MetRS (pJET), AsnRS (pJET), IF2 (pJET), IF3 (pJET), EF-G (pJET), EF-Ts (pJET), CK (pJET), PPIase (pJET), and EYFP-Spinach (pJET)
- Transformed LysRS (pUC57), PheRS (pUC57), SerRS (pUC57), TyrRS (pUC57) and GlyRS (pUC57) into BL21 DE3 Gold

Monday October 2nd, 2017

- Gel confirmed samples MTF (pSB1C3), RF1 (pSB1C3), IF3 (pSB1C3), HisRS (pSB1C3), and EF-G (pSB1C3)
- Minipreped LeuRS (pSB1C3), ProRS (pSB1C3), ThrRS (pSB1C3), and MS2BP-Histag (pSB1C3) samples

Tuesday October 3rd, 2017

- Enzymatic cleanup was done on pSB1C3 PCR sample
- Ligations were done for AlaRS (pSB1C3), LeuRS (pSB1C3), PheRS beta (pSB1C3), ProRS (pSB1C3), ThrRS (pSB1C3), T7 Polymerase (pSB1C3), EYFP-Spinach (pSB1C3) and MS2BP-Histag (pSB1C3)
- PCR amplification for samples GlnRS (pSB1C3), LeuRS (pSB1C3), ProRS (pSB1C3), ThrRS (pSB1C3), and MS2BP-Histag
- Inoculated samples HisRS (pSB1C3), IF3 (pSB1C3), EF-Ts(pSB1C3), RF1 (pSB1C3) and RRF (pSB1C3)
- SDS-PAGE done for test overexpression samples, HisRS (pJET), MetRS (pJET), AsnRS (pJET), IF2 (pJET), IF3 (pJET), EF-G (pJET), EF-TS (pJET), CK (pJET), PPIase (pJET), and EYFP-Spinach (pJET)
- PCR amplified T7 RNAP (pUC57), EYFP-Spinach (pJET), RF1 (GBlock), GlyRS (pUC57), LysRS (pUC57), PheRS alpha (pUC57), SerRS (pUC57) and TyrRS (pUC57), as well as 4 Lethbridge High School constructs, with BioBrick Prefix +6 and BioBrick Suffix +6 primers to prepare for restriction digest and ligation into pSB1C3

Wednesday October 4th, 2017

- Minipreped samples HisRS (pSB1C3), IF3 (pSB1C3), EF-Ts (pSB1C3), RF1 (pSB1C3) and RRF (pSB1C3), MetRS (pJET), and RRF (pJET)
- PCR amplified samples HisRS (pSB1C3), IF3 (pSB1C3), EF-Ts (pSB1C3), RF1 (pSB1C3) and RRF (pSB1C3), MetRS (pJET), RRF (pJET), AlaRS (Gblock) and RF1 (G block)

- Transformed samples AlaRS (pSB1C3), LeuRS (pSB1C3), PheRS beta (pSB1C3), ProRS (pSB1C3), ThrRS (pSB1C3), T7 Polymerase (pSB1C3), and MS2BP-Histag was performed
- Made DMSO stocks of TrpRS (pUC57), IF1 (pUC57), NDK (pUC57), PheRS beta (pSB1C3), MetRS (pJET), EF-Ts (pJET), and CK (pUC57)
- PCR cleanup of T7RNAP (pUC57), EYFP-Spinach (pJET), RF1 (GBlock), GlyRS (pUC57), LysRS (pUC57), PheRS alpha (pUC57), SerRS (pUC57) and TyrRS (pUC57), as well as 4 Lethbridge High School Constructs Ran 1% agarose gel to confirm The correct bands were observed for T7 RNAP (pUC57), RF1 (GBlock), GlyRS (pUC57), LysRS (pUC57), SerRS (pUC57) and TyrRS (pUC57)
- Restriction digested pSB1C3 samples, T7 RNAP (pUC57), RF1 (GBlock), GlyRS (pUC57), LysRS (pUC57), SerRS (pUC57) and TyrRS (pUC57) with EcoRI and Pst1, followed by ligation into dephosphorylated pSB1C3
- Inoculated TrpRS (pUC57), IF1 (pUC57), MK (pUC57) and NDK (pUC57)
- Buffers for purification of T7 Polymerase was made

Thursday October 5th, 2017

- Gel confirmed for samples GlnRS (pSB1C3), ProRS (pSB1C3) and ThrRS (pSB1C3)
- Prepped samples GlnRS (pSB1C3), ThrRS (pSB1C3), IF3 (pSB1C3), RF1 (pSB1C3) and RRF (pSB1C3) for sequencing
- Gel confirmation for samples MetRS (pJET), RRF (pJET), AlaRS (Gblock) and RF1 (G block), RRF (pSB1C3), MTF (pSB1C3), IF3 (pSB1C3), EF-Ts (pSB1C3), and RF1 (pSB1C3)
- Confirmation of correct sequence of MetRS (pSB1C3), IF2 (pSB1C3), and CK (pSB1C3)
- Samples MetRS (pJET), RRF (pJET), ASnRS (Gblock) and RF1(Gblock) were digested and enzymatically cleaned
- Inoculated samples CK (pSB1C3), EF-Ts (pSB1C3), EF-G (pSB1C3), MTF (pSB1C3), and AsnRS (pSB1C3)
- Miniprepmed TrpRS (pUC57), IF1 (pUC57), MK (pUC57) and NDK (pUC57) plasmid DNA
- PCR amplified TrpRS (pUC57), IF1 (pUC57), MK (pUC57), NDK (pUC57), AlaRS (pUC57), GluRS (pUC57), LeuRS (pUC57), PheRS alpha (pUC57), ProRS (pUC57), EF-Ts (pJET), tRNAPhe-MS2 (pJET), and MS2BP (pJET) with BioBrick Prefix +6 and BioBrick Suffix +6 primers to prepare for restriction digest and ligation into pSB1C3

- Transformed ligation products T7 RNAP, RF1, GlyRS, LysRS, SerRS and TyrRS into DH5alpha
- Transformed GluRS (pUC57) and GlyRS beta (pSB1C3) into BL21 DE3 Gold
- Overnight culture made of sample T7-polymerase (pUC57)

Friday October 6th, 2017

- Miniprep samples ThrRS (pSB1C3), LeuRS (pSB1C3), T7 polymerase (pSB1C3), MS2BP-Histag (pSB1C3), PheRS beta (pSB1C3), AlaRS (pSB1C3), GlnRS (pSB1C3), and ProRS (pSB1C3)
- Miniprep were done for CK (pSB1C3), EF-Ts (pSB1C3), EF-G (pSB1C3), MTF (pSB1C3) and AsnRS (pSB1C3)
- Inoculated samples CK (pSB1C3), EF-Ts (pSB1C3), EF-G (pSB1C3), and MTF (pSB1C3)
- Ligations into pSB1C3 were made for samples RF1 (pSB1C3), RRF (pSB1C3), and AsnRS (pSB1C3)
- Inoculated samples AlaRS (pSB1C3), LeuRS (pSB1C3), PheRS beta (pSB1C3), ThrRS (pSB1C3), T7 Polymerase (pSB1C3), EYFP-Spinach (pSB1C3), and MS2BP-Histag (pSB1C3)
- Restriction digest of pSB1C3, AlaRS (pUC57), AsnRS (pJET), GluRS (pUC57), GlyRS alpha (pUC57), HisRS (pJET), LeuRS (pUC57), LysRS (pUC57), PheRS alpha (pUC57), PheRS beta (pUC57), ProRS (pUC57), SerRS (pUC57), ThrRS (pUC57), TrpRS (pUC57), TyrRS (pUC57), MTF (pJET), IF1 (pJET), IF3 (pJET), EF-G (pJET), EF-Ts (pJET), RRF (pJET), MK (pUC57), NDK (pUC57), PPIase (pJET), tRNAPhe-MS2 (pJET), EYFP-Spinach (pJET), MS2BP (pJET)
- Overexpression of sample T7-polymerase was performed

Saturday October 7th, 2017

- Gel confirmed samples CK (pSB1C3), EF-Ts (pSB1C3), EF-G (pSB1C3), MTF (pSB1C3) and AsnRS (pSB1C3)
- Miniprep of samples AlaRS (pSB1C3), LeuRS (pSB1C3), PheRS beta (pSB1C3), ThrRS (pSB1C3), T7 Polymerase (pSB1C3), EYFP-Spinach (pSB1C3), and MS2BP-Histag (pSB1C3)

Sunday October 8th, 2017

- Digested and gel confirmed samples AlaRS (pSB1C3), LeuRS (pSB1C3), PheRS beta (pSB1C3), ThrRS (pSB1C3), T7 Polymerase (pSB1C3), EYFP-Spinach (pSB1C3), pSB1C3 vector and MS2BP-Histag (pSB1C3)
- Test overexpressed and SDS-PAGE analyzed samples GlnRS (pUC57), ArgRS (pUC57), GlyRS alpha (pUC57), TrpRS (pUC57), HisRS (pJET), ArgRS (pUC57), MetRS (pJET), PheRS beta (pUC57), ThrRS (pUC57), MTF (pJET),

IF1 (pUC57), IF2 (pJET), IF3 (pJET), Ef-G (pJET), AlaRS (pSB1C3), GlyRS beta (pUC57), LeuRS (pUC57), ProRS (pUC57), TyrRS (pUC57), EF-Ts (pUC57), RF3 (pSB1C3), RRF (pJET), MK (pUC57), CK (pJET), NDK (pUC57), and T7 Polymerase (pJET)

Monday October 9th, 2018

- Inoculated samples AlaRS (pSB1C3), LeuRS (pSB1C3), PheRS beta (pSB1C3), ThrRS (pSB1C3), T7 Polymerase (pSB1C3), EYFP-Spinach (pSB1C3), and MS2BP-Histag (pSB1C3)
- Inoculated AspRS (pSB1C3), GlyRS alpha (pUC57), GlyRS beta (pSB1C3), IF2 (pJET), IF2 (pUC57), EF-G (pJET), RF3 (pUC57), PPIase (pJET), T7 Polymerase (pJET), EYFP-Spinach (pJET) for test overexpression

Tuesday October 10th, 2017

- Enzymatic cleanup was performed on AlaRS (pUc57), LeuRS (pUC57), PheRS beta (pUC57), ThrRS (pUC57), T7 Polymerase (pUC57), EYFP-Spinach (pUC57), MS2BP-Histag (pUC57) and pSB1C3 vector
- Dephosphorylation of pSB1C3 (digested and cleaned) vector
- Inoculated samples LeuRS (pSB1C3), ProRS (pSB1C3), ThrRs (pSB1C3) and MS2BP-Histag (pSB1C3)
- PCR amplified IF3 (pSB1C3), PPIase (pSB1C3), EF-G (pSB1C3), HisRS (pSB1C3), EF-Ts (pSB1C3) and MTF (pSB1C3)
- Digestions of IF3 (pSB1C3), PPIase (pSB1C3), EF-G (pSB1C3), HisRS (pSB1C3), EF-Ts (pSB1C3) and MTF (pSB1C3)
- Inoculations were done for samples AsnRS (pSB1C3), RRF (pSB1C3), RF1(pSB1C3), IF3 (pSB1C3), and PPIase (pSB1C3)
- Miniprep, digested and gel confirmation was done for samples AlaRS (pSB1C3), PheRS beta, ProRS (pSB1C3), T7 Polymerase (pSB1C3), EYFP-Spinach and MS2BP-Histag (pSB1C3)
- Test overexpression of AspRS (pSB1C3), GlyRS alpha (pUC57), GlyRS beta (pSB1C3), IF2 (pJET), IF2 (pUC57), EF-G (pJET), RF3 (pUC57), PPIase (pJET), T7 Polymerase (pJET), EYFP-Spinach (pJET)
- AlaRS, AsnRS, GluRS, GlyRS alpha, HisRS, LeuRS, LysRS, PheRS alpha, PheRS beta, ProRS, SerRS, ThrRS, TrpRS, TyrRS, MTF, IF1, IF3, EF-G, EF-Ts, RRF, MK, NDK, PPIase, tRNAPhe-MS2, EYFP-Spinach, MS2BP ligated into dephosphorylated pSB1C3
- Site directed mutagenesis to remove incorrect stop codon from MetRS

Wednesday October 11th, 2017

- Sent PPIase (pSB1C3), EF-G (pSB1C3), AsnRS (pSB1C3), MetRS (pSB1C3), IF2 (pSB1C3), and CK (pSB1C3) for sequencing
- Miniprepped and PCR amplified MTF (pSB1C3), EF-Ts (pSB1C3), RF1 (pSB1C3), IF3 (pSB1C3), and HisRs (pSB1C3)
- Transformed MTF (pSB1C3), EF-Ts (pSB1C3), IF3 (pSB1C3), RF1 (pSB1C3) and RRF (pSB1C3)
- Miniprepped and digested samples AsnRS (pSB1C3), IF3 (pSB1C3), EF-G (pSB1C3), and RF1 (pSB1C3)
- Inoculated samples PheRS beta (pSB1C3), ThrRS (pSB1C3), T7 Polymerase (pSB1C3), EYFP-Spinach (pSB1C3), and MS2BP-Histag (pSB1C3)
- Transformed AlaRS, AsnRS, GluRS, GlyRS alpha, HisRS, LeuRS, LysRS, PheRS alpha, PheRS beta, ProRS, SerRS, ThrRS, TrpRS, TyrRS, MTF, IF1, IF3, EF-G, EF-Ts, RRF, MK, NDK, PPIase, tRNAPhe-MS2, EYFP-Spinach, MS2BP in pSB1C3 into DH5alpha
- Transformed GlnRS (pSB1C3), IF2 (pSB1C3), CK (pSB1C3) and EF-Tu (pUC57) into BL21 DE3 Gold
- Miniprepped RF1 (pSB1C3)
- Overexpressed tRNA and MS2 constructs

Thursday October 12th, 2017

- Inoculated Dh5 α and BL21 (DE3) gold cells for making chemically competent cells
- Performed colony PCR and gel confirmed samples AsnRS (pSB1C3), RF1 (pSB1C3) and RRF (pSB1C3)
- Gel confirmed digested PCR samples IF3 (pJET), PPIase (pJET), IF2 (pJET), MTF (pJET), and HisRS (pSB1C3)
- Digested PCR products MTF (pJET), IF2 (pJET), and PPIase (pJET)
- Ligations into pSB1C3 for samples IF3 (pJET), PPIase (pJET), IF2 (pJET), MTF (pJET), and HisRS (pSB1C3)
- Miniprepped, digested and gel confirmed samples PheRS beta (pSB1C3), ProRS (pSB1C3), ThrRS (pSB1C3), T7 Polymerase (pSB1C3) EYFP-Spinach (pSB1C3), and MS2BP-Histag (pSB1C3)
- Test overexpression of AlaRS (pUC57), GluRS (pUC57), GlyRS beta (pUC57), LysRS (pUC57), PheRS alpha (pUC57), SerRS (pUC57), GlnRS (pUC57), MTF (pJET), IF3 (pJET), EF-G (pJET), EF-Ts (pJET), ProRS (pUC57), ThrRS (pUC57), AspRS (pSB1C3), CK (pJET), PPIase (pJET), EYFP-Spinach (pJET)
- Colony PCR of AlaRS, AsnRS, GluRS, GlyRS alpha, HisRS, LeuRS, LysRS, PheRS alpha, PheRS beta, ProRS, SerRS, ThrRS, TrpRS, TyrRS, MTF, IF1,

IF3, EF-G, EF-Ts, RRF, MK, NDK, PPIase, tRNAPhe-MS2, EYFP-Spinach, MS2BP to confirm successful ligation into pSB1C3

- Inoculated AlaRS, AsnRS, GluRS, GlyRS alpha, HisRS, LeuRS, LysRS, PheRS alpha, PheRS beta, ProRS, SerRS, ThrRS, TrpRS, TyrRS, MTF, IF1, IF3, EF-G, EF-Ts, RRF, MK, NDK, PPIase, tRNAPhe-MS2, EYFP-Spinach, MS2BP to screen for successful ligation into pSB1C3
- Copurification of of tRNA/MS2 construct

Friday October 13th, 2017

- DH5α BL21 (DE3) gold competent cells were created for use
- Transformations were done for HisRS (pSB1C3), MTF (pSB1C3), IF2 (pSB1C3), EF-Ts (pSB1C3), PPIase (pSB1C3), as well as test transforms for competent cells
- Inoculated AsnRS (pSB1C3), RF1 (pSB1C3) and RRF (pSB1C3)
- SDS-PAGE gels from test over expression samples test overexpression of AlaRS (pUC57), GluRS (pUC57), GlyRS beta (pUC57), LysRS (pUC57), PheRS alpha (pUC57), SerRS (pUC57), GlnRS (pUC57), MTF (pJET), IF3 (pJET), EF-G (pJET), EF-TS (pJET), ProRS (pUC57), ThrRS (pUC57), AspRs (pSB1C3), CK (pJET), PPIase (pJET), EYFP-Spinach (pJET)
- Miniprepped AlaRS (pSB1C3), AsnRS(pSB1C3), GluRS (pSB1C3), GlyRS alpha (pSB1C3), HisRS (pSB1C3), LeuRS (pSB1C3), LysRS (pSB1C3), PheRS alpha (pSB1C3), PheRS beta (pSB1C3), ProRS (pSB1C3), SerRS (pSB1C3), ThrRS (pSB1C3), TrpRS (pSB1C3), TyrRS (pSB1C3), MTF (pSB1C3), IF1 (pSB1C3), IF3 (pSB1C3), EF-Ts (pSB1C3), RRF (pSB1C3), MK (pSB1C3), NDK (pSB1C3), PPIase (pSB1C3), tRNAPhe-MS2 (pSB1C3), EYFP-Spinach (pSB1C3), MS2BP (pSB1C3)
- Gel confirmed copurification samples of MS2 and tRNA

Saturday October 14th, 2017

- Miniprepped, digested and gel confirmed AsnRS (pSB1C3), RF1 (pSB1C3) and RRF (pSB1C3) samples
- Inoculated RRF (pSB1C3), HisRS (pSB1C3), EF-Ts (pSB1C3), and MTF (pSB1C3)
- DMSO stock made for AspRS (pSB1C3), GlyRS beta (pUC57), MTF (pJET), and CK (pJET)
- Inoculated for test expressions with samples, ArgRS (pSB1C3), IF2 (pSB1C3), Ef-Tu (pUC57) and GlnRS (pUC57)

Sunday October 15th, 2017

- Miniprep, digested and gel confirmed AsnRS (pSB1C3), RF1 (pSB1C3) and RRF (pSB1C3)
- Test overexpressions of ArgRS (pSB1C3), IF2 (pSB1C3), EF-Tu (pUC57) and GlnRS (pUC57) and were run on a SDS-PAGE gel

Monday October 16th, 2017

- Made a streak plate of pSB1C3 vector
- PCR amplified AlaRS (pUC57), ArgRS (pUC57), PheRS beta (pUC57), ProRS (pUC57), ThrRS (pUC57), RF3 (pUC57), T7 Polymerase (pUC57), EYFP-Spinach (pUC57), and MS2BP-Histag (pUC57)
- Performed PCR clean up and digested samples PheRS beta (pUC57), ThrRS (pUC57), RF3 (pUC57), and T7 Polymerase (pUC57)
- Transformed samples AsnRS (pSB1C3), HisRS (pSB1C3), MTF (pSB1C3), RF1 (pSB1C3), RRF (pSB1C3) and PPIase (pSB1C3)
- Digestion and ligation of IF3 (pSB1C3)
- Overnight cultures of IF3 (pJET), EF-G (pJET), PPIase (pJET), EYFP-Spinach (pJET), AlaRS (pJET), GluRS (pUC57), LysRS (pUC57), PheRS beta (pUC57), PheRS alpha (pUC57), ProRS (pUC57), SerRS (pUC57), ThrRS (pUC57), EF-Tu (pUC57), T7 Polymerase (pUC57), ArgRS (pSB1C3), GlnRS (pSB1C3), GlyRS beta (pSB1C3), IF2 (pSB1C3), CK (pSB1C3)

Tuesday October 17th, 2017

- Ligated sample RRF (pSB1C3)
- Transformed IF3 (pSB1C3)
- Ran Colony PCR and ran gel for samples RF1 (pSB1C3), HisRS (pSB1C3), EFTs (pSB1C3), MTF (pSB1C3), AsnRS (pSB1C3)
- Inoculated of samples RF1 (pSB1C3), HisRS (pSB1C3), EF-Ts (pSB1C3), MTF (pSB1C3), AsnRS (pSB1C3)
- Test overexpression of AlaRS (pUC57), ArgRS (pUC57), GlnRS (pSB1C3), GluRS (pUC57), GlyRS beta (pSB1C3), LysRs (pUC57), PheRS Alpha (pUC57), ProRS (pUC57), SerRS (pUC57), ThrRS (pUC57), IF2 (pSB1C3), EF-Tu (pUC57), EYFP-Spinach (pJET), EF-G (pJET), Ck (pSB1C3), PPIase (pJET), and T7 Polymerase (pJET)
- Restriction digest of AlaRS (pSB1C3), AsnRS (pSB1C3), GluRS (pSB1C3), GlyRS alpha (pSB1C3), HisRS (pSB1C3), LeuRS (pSB1C3), LysRS (pSB1C3), PheRS alpha (pSB1C3), PheRS beta (pSB1C3), ProRS (pSB1C3), SerRS (pSB1C3), ThrRS (pSB1C3), TrpRS (pSB1C3), TyrRS (pSB1C3), MTF (pSB1C3), IF1 (pSB1C3), IF3 (pSB1C3), EF-Ts (pSB1C3), RRF (pSB1C3), MK (pSB1C3), NDK (pSB1C3), PPIase (pSB1C3), tRNAPhe-MS2 (pSB1C3),

EYFP-Spinach (pSB1C3), MS2BP (pSB1C3) Ran 1% agarose gel to check for correct band size, indicating successful ligation into pSB1C3

- Correct band size was observed for HisRS, LeuRS, LysRS, PheRS alpha, PheRS beta, TyrRS, MTF, IF1, IF3, NDK, tRNAPhe-MS2, MS2BP
- Ran controls for colony PCR to determine odd banding pattern
- Inoculated AlaRS, AsnRS, GluRS, GlyRS alpha, ProRS, SerRS, ThrRS, TrpRS, EF-Ts, RRF, MK, PPIase, EYFP-Spinach to screen for successful ligation into pSB1C3
- PCR clean performed on AlaRS (pSB1C3), ArgRS (pSB1C3), PheRS beta (pSB1C3), ProRS (pSB1C3), ProRS (pSB1C3), ThrRS (pSB1C3), RF3 (pSB1C3), T7 Polymerase (pSB1C3), EYFP-Spinach (pSB1C3), and MS2BP-Histag (pSB1C3). The samples were also roto-vaporized
- Ligation reactions were set up for AlaRS (pSB1C3), ArgRS (pSB1C3), PheRS beta (pSB1C3), ProRS (pSB1C3), ProRS (pSB1C3), ThrRS (pSB1C3), RF3 (pSB1C3), T7 Polymerase (pSB1C3), EYFP-Spinach (pSB1C3), and MS2BP-Histag (pSB1C3)

Wednesday October 18th, 2017

- Minipreped, digested and gel confirmed RF1 (pSB1C3), AsnRS (pSB1C3), HisRS (pSB1C3), MTF (pSB1C3) and EF-Ts (pSB1C3), and PPIase (pSB1C3)
- Sent HisRS, LeuRS, LysRS, PheRS alpha, PheRS beta, TyrRS, MTF, IF1, IF3, NDK, tRNAPhe-MS2, MS2BP in pSB1C3 for sequencing
- Minipreped and restriction digested of AlaRS, AsnRS, GluRS, GlyRS alpha, ProRS, SerRS, ThrRS, TrpRS, EF-Ts, RRF, MK, PPIase, EYFP-Spinach to screen for successful ligation into pSB1C3
- Overexpression of tRNA and MS2 constructs

Thursday October 19, 2017

- Transformations made for samples AlaRS (pSB1C3), ArgRS (pSB1C3), PheRS beta (pSB1C3), ProRS (pSB1C3), ThrRS (pSB1C3), RF3 (pSB1C3), T7 Polymerase (pSB1C3), EYFP-Spinach (pSB1C3), MS2BP-Histag (pSB1C3), HisRS (pSB1C3), MTF (pSB1C3), IF3 (pSB1C3), EF-Ts (pSB1C3), RRF (pSB1C3), and PPIase
- Inoculated AsnRS (pSB1C3), IF3 (pSB1C3)
- In vitro transcription of 2 lyophilized plasmids was carried out
- Attempted 4 varying protocols of the copurification of tRNA and MS2

Friday October 20th, 2017

- Minipreped AsnRS (pSB1C3), IF3 (pSB1C3)
- Inoculated PPIase (pSB1C3), EF-Ts (pSB1C3), RRF (pSB1C3), MTF (pSB1C3), IF3 (pSB1C3), AsnRS (pSB1C3), ThrRS (pSB1C3), RF3 (pSB1C3), T7

Polymerase (pSB1C3), MS2BP-Histag (pSB1C3), ProRS (pSB1C3), ArgRS (pSB1C3), AlaRS (pSB1C3), PheRS beta (pSB1C3)

- Gel confirmed the copurification samples of MS2 and tRNA

Saturday October 21st, 2017

- Ligation reactions made for samples AsnRS (pSB1C3), IF3 (pSB1C3), EF-Ts (pSB1C3), PPIase (pSB1C3)
- Transformed samples AsnRS (pSB1C3), IF3 (pSB1C3), EF-Ts (pSB1C3), PPIase (pSB1C3), RF1 (pSB1C3), AsnRS (pSB1C3), IF3 (pSB1C3), EF-Ts (pSB1C3), PPIase (pSB1C3), HisRS (pSB1C3), AsnRS (pSB1C3), IF3 (pSB1C3), EF-Ts (pSB1C3), PPIase (pSB1C3), RRF (pSB1C3), AsnRS (pSB1C3), IF3 (pSB1C3), EF-Ts (pSB1C3), PPIase (pSB1C3), MTF (pSb1C3), AsnRS (pSB1C3), IF3 (pSB1C3), EF-Ts (pSB1C3), and PPIase (pSB1C3)
- Minipreped, digested and gel confirmed samples, PPIase (pSB1C3), EF-Ts (pSB1C3), RRF (pSB1C3), MTF (pSB1C3), IF3 (pSB1C3), AsnRS (pSB1C3), ThrRS (pSB1C3), RF3 (pSB1C3), T7 Polymerase (pSB1C3), MS2BP-Histag (pSB1C3), ProRS (pSB1C3), ArgRS (pSB1C3), AlaRS (pSB1C3), and PheRS beta (pSB1C3)
- Ran samples AsnRS (pSB1C3) and IF3 (pb1C3)
- Inoculated AlaRS (pSB1C3), ArgRS (pSB1C3), PheRs beta (pSB1C3), and ProRS (pSB1C3)

Sunday October 22nd, 2017

- Minipreped samples AlaRS (pSB1C3), PheRS beta (pSB1C3), ArgRS (pSB1C3), and ProRS (pSB1C3)
- Gel confirmed samples MS2BP-Histag (pSB1C3), ArgRS (pSB1C3), AnsRS (pSB1C3), IF3 (pSB1C3), AlaRS (pSB1C3), PheRS beta (pSB1C3), ProRS (pSB1C3),
- Inoculated samples AlaRS (pSB1C3), PheRS beta (pSB1C3), ArgRS (pSB1C3), ProRS (pSB1C3), HisRS (pSB1C3), MTF (pSB1C3), and RRF (pSB1C3)
- Ligated AsnRs, IF3, EF-Ts and PPIase into pSB1C3
- Transformed samples AsnRS (pSB1C3), IF3 (pSB1C3), EF-Ts (pSB1C3), PPIase (pSB1C3), RF1 (pSB1C3), HisRS (pSB1C3), RRF (pSB1C3), and MTF (pSB1C3)

Monday October 23rd, 2017

- Minipreped, digested and gel confirmed samples RF1 (pSB1C3), RRF (pSB1C3) and HisRS (pSB1C3)