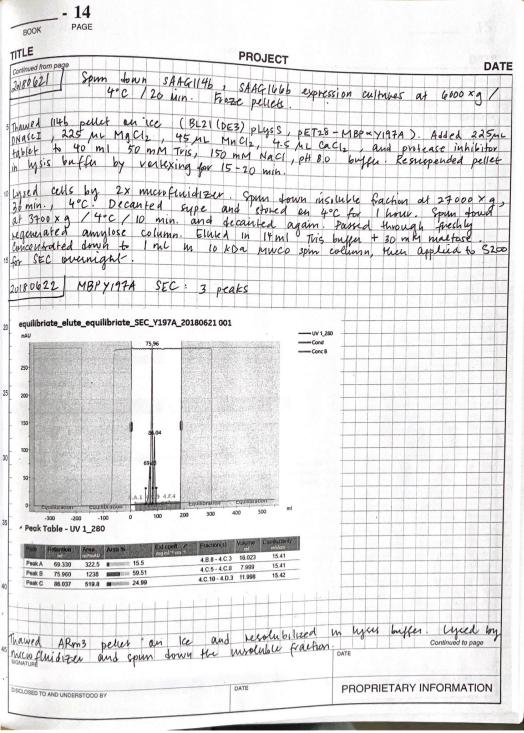
воок PAGE **PROJECT** TITLE DATE continued from page 4) streak out strains DHIOB (DE3) DHIOB PLYSS BL21 A1 BL21 (DE3) PLys S DHIOB? / TOPIO? 5) prepare TuCOI template 20180619 | Cloning success ful - pAAG169 PET 99 GG - GFP WECTOR LS PET9a-LEXH-TEV-LACTI-331 PAAG 170 u Made foren stock of SAAG170a (DH10B). Transformed PAAG170 -0 1) BL21 A( 2) TOP10 3) DHIOB PLYSS 4) DH1013 (DE3) 5) BLZI (DE3) PLYSS Began O/A cultures of 20 ml each of sAAG1146, SAAG1466 for expression. Began 2 me 0/N withher of all above empty strains as well. Made frozen stocks of empty e. cali strains. 20180620 Transformation places of pAAG170 in all strains => lote of colonies. Lo heady for expression - stored places at 4°C. 59610 MBP × 7197A, "ARm3 protein expression cultures: IL each.
- Subcultured 20 rul → IL LB/Kan/Cm 0/N culture 59610 MBP& Y197A + 5 me 40% g (ucose for 1146) - Grew 2.5 hrs at 37°C/225 rpm - Induced with 500 MM IPTG and reduced temperature to 16°C. - Grew culmbes 0/N. - Halyze int pH 8.3-8.5 buffer to set up Plan for constallo graphy Mosquito hours / 15-well 59610 trays. - estimize pEG3350/Na Acetate conditions from previous Mosquito hits (after halysis into pti 60 MES.) > JC59 / CB Continued to page SIGNATURE DISCLOSED TO AND UNDERSTOOD BY DATE PROPRIETARY INFORMATION



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MILE DATE continued from page Spun down of neutroes, 6000 x g / 4°C / 20 mm Froze peuts at -80°C. 20180429 Took proteins ARm3, SAGIO MBP & YIATA out of dialysic and concentrated down to 1200 me valumes. AR m3 . 2.2 mM stocks: 38.9 mg/ml 4197A 970 MM 39.5 mg/ml maked protein solution for Mosquito hays (pH 8.0): 200 pc total 15.45 ML ARM3 35.0 ML Y197A 34.0 ML FPP (from 10 mM stock) 115.55 ML buffer (Tris/Nacl pH8.0) Buffur-exchanged into 25 mm MES, 200 mm Nacl, pH 6.0 for JCSG1/C8 eptimization trays. Constitous optimized around: 0.2 M Ha Acet 20% W/V PEG3350 Lo set up and ho-well tran w/ 3 concentrations of pritein/FPP Also set up 6 x 15-well trays with 3 concentrations in each well of pH s. O ARM3 / y 1974 in HIGH PEG 59610 conditions - 3x no maltie, and 3x 170 um maltoce. Poten funal concentrations: 170 mm, 85 mm, 40 mm ppp at lox putin concentration in each solution. Stored all trays in crystallography room. large concentration range OCTET experiments: ARM3 / avi- Y1974 BT 20180627 + 200 MM FPP. Frige stocks: - non-BT 4117A @ 0.9 mg/m1 ~ 21 hm (large ep; tube) Stated 12 ML - 2388 LL buffer for 200 ml experimental conc. (200 pl well) > briten: 50 mm Tris, 150 mm Nact, PH 8.0 2.2 nm freeh conc. stock solution. a diluted 5.5 ML (2.2 mM) = 49.5 ML buff Continued to page - ARM3 for 220 MM ARM3 Stock DATE LA filuted 1.1 ML (220 MM) -> 9.9 ML buffer for 22 MM PROPRIETARY INFORMATION ARM3 STICKTE

