

## STRUCTURAL GENOMIC QUESTIONNAIRE

**Center Name: TB Structural Genomics Consortium**

**Date: 03/13/03**

<b>Step</b>	<b>Method/Vendor</b>	<b>Contact Person (e-mail)/ Location</b>
<b>Cloning</b>		
<b>Primer Vendor</b>	OPERON technologies (Invitrogen)	Geoff Waldo ( <a href="mailto:Waldo@lanl.gov">Waldo@lanl.gov</a> ) / LANL
<b>Expression strains used</b>	BL21(DE3), BL21(DE3) Rosetta (codon-enhanced)	Geoff Waldo ( <a href="mailto:Waldo@lanl.gov">Waldo@lanl.gov</a> ) / LANL
<b>Cloning Method(s)</b>	PCR and restriction with ligation, ligation independent cloning (secondary)	Geoff Waldo ( <a href="mailto:Waldo@lanl.gov">Waldo@lanl.gov</a> ) / LANL
<b>Fusion Tags</b>	C-terminal GFP, N-terminal or C-terminal 6HIS, N-terminal or C-terminal s-peptide, N- terminal or C-terminal streptag-II	Geoff Waldo ( <a href="mailto:Waldo@lanl.gov">Waldo@lanl.gov</a> ) / LANL
<b>Cell Opening Method</b>	Sonication / Misonix Ultrasonic Processor XL Sonication/Branson Digital Sonifier	Geoff Waldo ( <a href="mailto:Waldo@lanl.gov">Waldo@lanl.gov</a> ) / LANL Chang Yub Kim ( <a href="mailto:cykim@telomere.lanl.gov">cykim@telomere.lanl.gov</a> ) / LANL
<b>Expression/Purification</b>		
<b>Expression analysis (gels)</b>	Novex mini-gel / Invitrogen	Chang Yub Kim ( <a href="mailto:cykim@telomere.lanl.gov">cykim@telomere.lanl.gov</a> ) / LANL
<b>Purification equipment</b>	Bio CAD 700E, Sprint / Applied Biosystem ACTAFPLC / Amersham- Pharmacia Parallel column running system / ISCO	Chang Yub Kim ( <a href="mailto:cykim@telomere.lanl.gov">cykim@telomere.lanl.gov</a> ) / LANL

<b>Affinity Resin(s)</b>	Talon Superflow Co-resin / Clon Tech	Chang Yub Kim ( <a href="mailto:cykim@telomere.lanl.gov">cykim@telomere.lanl.gov</a> ) / LANL
<b>Ion Exchange Columns</b>	Poros-20 HQ & HS / Applied Biosystem	Chang Yub Kim ( <a href="mailto:cykim@telomere.lanl.gov">cykim@telomere.lanl.gov</a> ) / LANL
<b>Sizing Columns</b>	Superdex-75 / Amersham-Pharmacia	Chang Yub Kim ( <a href="mailto:cykim@telomere.lanl.gov">cykim@telomere.lanl.gov</a> ) / LANL
<b>Equipment</b>		
<b>Robot for cloning, Mini-purification</b>	TECAN custom system (under development)	Geoff Waldo ( <a href="mailto:Waldo@lanl.gov">Waldo@lanl.gov</a> /LANL) Jean Pedelacq ( <a href="mailto:Pedelacq@lanl.gov">Pedelacq@lanl.gov</a> ) / LANL
<b>Fermentors</b>	BioFLO2000 fermentor / New Brunswick Scientific; Home-made 48 x 50 ml parallel fermentor	Chang Yub Kim ( <a href="mailto:cykim@telomere.lanl.gov">cykim@telomere.lanl.gov</a> ) / LANL
<b>Crystallization robots</b> <b>Date purchased</b>	Packard MultiProbeII-HTex, purchased 6/1/01 Apogent Hydra-Plus One, purchased 11/5/02 Velocity11 Versascan, purchased 8/1/01 Hudson Control Plate Crane EX, purchased 4/1/01	Timothy Lekin, ( <a href="mailto:lekin1@llnl.gov">lekin1@llnl.gov</a> ) / LLNL
<b>Quality Control</b>		
<b>Mass Spec</b>	Voyager DE STR / Applied Biosystem	Chang Yub Kim ( <a href="mailto:cykim@telomere.lanl.gov">cykim@telomere.lanl.gov</a> ) / LANL
<b>Dynamic Light Scattering</b>	DynaPro / ProteinSolutions	Chang Yub Kim ( <a href="mailto:cykim@telomere.lanl.gov">cykim@telomere.lanl.gov</a> ) / LANL