





















































































8,00	0 GST-fusion proteins on a s	ingle chip
Gene Families:	Protein kinases	378
 Kinases & Phosphatases 	Transcription factors	188
	Membrane proteins	1,085
 GPCRs & G-protein related Ion channels 	Nuclear proteins	830
	Signal transduction	710
	Secreted proteins	100
Nuclear receptors	Cell communication	863
 Proteases Cytokines & 	Metabolism	2,166
	Cell death	145
	Protease/peptidase activity	138

Real stress-o-meter?

A PROTEIN BIOCHIP FOR THE SCREENING AND DIAGNOSING of CHRONIC PSYCHOSOCIAL STRESS

- This new protein biochip offers the first panel of markers for screening and diagnosis of chronic psychosocial stress
- Some cytokines, growth factors and the hormones testosterone and prolactin are risk factors for psychosocial stress
- Plasma samples from patients on long term sick leave for a stress-induced affective disorder, people at risk of professional burnout and healthy controls were analyzed and the markers identified were independently associated with a significant risk of being ill from stress



Randox announced the release of a protein biochip for the screening and diagnosis of chronic psychosocial stress



































Two methods are different:			
Delivery – prepar target molecules " and then spot ther on the substrate	elivery – prepare the arget molecules "off-line" and then spot them (print) in the substrate elements directly on the substrate by joining monomers together		
	Delivery	Synthesis	
Technology	Printing	Photolithography	
Implementation	Easy-moderate	Moderate-difficult	
Density	Up to 10,000/cm ²	Up to 500,000/cm	
Complexity	Any	Limited	

































