

	GX.SG enriched(GX.SG vs. GX.DG)							GX.SG enriched(GX.SG vs. NC)							
Cellular Processes			*											Cellular community – prokaryotes	
	**					**	*							Cell growth and death	
Genetic Information Processing			*			*								Translation	
	*					*								Transcription	
	**					*								Replication and repair	
															Folding, sorting and degradation
Human Diseases	**													Substance dependence	
	**													Neurodegenerative diseases	
						*	**	*						Infectious diseases Bacterial	
					**	**	***					*		Immune diseases	
									*						Endocrine and metabolic diseases
	*		*	*	*	**	***								Drug resistance Antineoplastic
						**	*								Cardiovascular diseases
Metabolism				*										Xenobiotics biodegradation and metabolism	
	*					**	*	*						Nucleotide metabolism	
						**	*							Metabolism of terpenoids and polyketides	
	*					**	**	*						Metabolism of other amino acids	
	*					**	**							Metabolism of cofactors and vitamins	
						*	*							Lipid metabolism	
	*					*								Glycan biosynthesis and metabolism	
	*					*								Energy metabolism	
	*					**	**	*						Carbohydrate metabolism	
						**	**							Biosynthesis of other secondary metabolites	
	*					*	*	*						Amino acid metabolism	
Organismal Systems					*									Immune system	
					*									Environmental adaptation	
	*					*	**	*						Endocrine system	
	**					**	**							Digestive system	
						*								Aging	
	Day0	Day2	Day5	Day8	Day9	Day10	Day11	Day0	Day2	Day5	Day8	Day9	Day10	Day11	