Kale vs TO1000 Higher Expressed Genes

					101000 Higher Expres							
fatty acid derivative metabolic process fatty acid description of the second description of the		lipid metabolic process derivative metabolism		organic acid	nitrile biosynthetic process	glycosi metabolid		photosynthesis		respons	response to stimulus	
				metabolic process	nitrile bi nitrile metabolic process	osynthesisde metabolic process	glycosyl compound metabolic process					
		carbon fixation		secondary metabolic process	carbohydrate derivative catabolic process	glyceraldehyde–3–phosphate metabolic process	L-proline biosynthetic process	fatty acid derivative hydroxy citty acid derivative biosynthesis biosynthetic process biosynthetic process		ophore linkage		
response to inorganic substance			response to wounding	regulation of plant-type hypersensitive response	regulation of stomatal movement	cellula metabolic				lastid organization		
response		response to o inorganic substancestres to stress		response to acid chemical	regulation of st cellular nomeostasis	regulation of RNA metabolic process omatal movement				astid organization	photosynthesis, light harvesting	
response to other organism		response to water to ins		response to phenylpropanoid auxin–activated	negative regulation of anion transport	regulation of biological qualit	acylglycerol metabolic y process	plant organ aging ag senescence	ing st	omatal movemen	sulfur compound metabolism	
	response to water		to insect	auxin–activated signaling pathway	of anion transport						metabolism	

Kale vs TO1000 Lower Expressed Genes

cellular nitrogen compound metabolic process	nucleobase-containing com	carbohydrate derivative metabolism		
nucleoside meta	bolism regulation of mRNA processing	regulation of mRNA metabolic process	ribonucleoprotein complex biogenesis	

Kale vs Cabbage Higher Expressed Genes

				bago riigitor Expressoa denes			
response to herbivore response to herbivore		response to external stimulus		nitrile biosynthetic process nitrile metabolism		carbon fixat <mark>carbon fix</mark>	isoprenoid biosynthetic process
response to stress		response to other organism		nitrile metabolic proces	ss		
negative regulation of gene expression regulation		of localization	negative regulation of ion transport	amylopectin biosynthetic process		photosynthesis	carbohydrate carbohydrate metabolism metabolic process
negative regula	tion of gene	expression		amylopectin biosynthe	glycosinolate esis catabolic process		
positive regulation of protein serine/threonine kinase activity regulati		regulation of anion channel activity by blue light		amylopectin metabolic process		fatty acid derivative fatty acid derivative metabolism metabolic process	vacuole organization

Kale vs Cabbage Lower Expressed Genes								
sulfur compound metabolism	glycosinolate metabolism							
cellular response to sulfur starvation	carbohydrate derivative metabolism							

Cabbage vs TO1000 Higher Expressed Genes

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secondary metabolite biosynthetic process	small molecule metabolic process		sulfur compound biosynthetic process		response to wounding	cellular response to sulfur starvation		response to oxidative stress		sulfur compound metabolism		netabolism
						response to in	insect response to stress		response to inorganic substance	indole-containing compound metabolic process		nd
	organic substance biosynthetic process dary metabolite biosynthesi				response to osmotic stress	response to wounding				indole–containing		organic hydroxy
organic acid metabolic process			glycosyl compound biosynthetic process is			response to other organism		esponse to	response to chemical	compound n indole-containing compound biosynthetic process	neta <u>bolis</u> m	id
							compound			process	process	
secondary metabolic process	hydrogen sulfide com metabolic process me		nnound I	organic acid biosynthetic process	ınthetic		response to chitin respo oxidativ		photoprotection	oligosaccharide t	ransport	biosynthesis
	regulation		on of RNA		peptidyl-proline modification ol	protein igomerization						
	organic hydroxy compound	metabol	ic process	small molecule	peptidyl-proline modification		res	response to stimulus		hydrogen peroxide catabolism		ation cellular
RNA biosynthetic process	biosynthetic process	lipid metab	polic process	biosynthetic process	translational termination	regulation of cell growth						homeostasis

Cabbage vs TO1000 Lower Expressed Genes heterocycle metabolic process nucleobase-containing compound metabolic process nucleobase-containing compound metabolism cellular nitrogen compound metabolic process cellular aromatic compound metabolic process

Kale Shared Higher Expressed Genes

			Male Shared Higher Expressed de				
isoprenoid biosynthetic process	fatty acid derivative biosynthetic process		nitrile biosynthetic proces <mark>nitrile me</mark>	<mark>tabolism</mark> nitrile metabolic process	plastid organization		
isoprenoid biosynthesis fatty acid derivative metabolic process					negative regulation of ion transport		
lipid metabolic process		lipid biosynthetic process	cellular response to iron ic response to o	ther organismse to other organism	polysaccharide catabolism		