Criteria	Ratings							
Section 1:	Excellent	Good	Acceptable	Needs	Not Done			
KEGG				Improvement				
database	Discusses the	Discusses the	Discusses the	Discusses the	Does not answer at			
(20 pts)	different types of	different types of	different types of	different types of	least 3 of these			
	pathways. It should	pathways. It should	pathways. It should	pathways. It should	questions.			
	highlight the most	highlight the most	highlight the most	highlight the most				
	common functions:	common functions:	common functions:	common functions:				
	Genetic and	Genetic and	Genetic and	Genetic and				
	Environmental	Environmental	Environmental	Environmental				
	Information	Information	Information	Information				
	Processing.	Processing.	Processing.	Processing.				
	Indicates a pathway	Indicates a pathway	Indicates a pathway	Indicates a pathway				
	that is surprising.	that is surprising.	that is surprising.	that is surprising.				
	Explains why it is	Explains why it is	Explains why it is	Does not explain				
	surprising.	surprising.	surprising.	why it is surprising.				
	Indicates that the	Does not indicate	Does not indicate	Does not indicate				
	pathway is sparsely	that the pathway is	that the pathway is	that the pathway is				
	populated,	sparsely populated,	sparsely populated,	sparsely populated,				
	indicating that it is							
	likely not	likely not	likely not	likely not				
	functional.	functional.	functional.	functional.				
	Identifies that likely	Identifies that likely	Identifies that likely	Does not identify				
	the gene involved	the gene involved	the gene involved	that likely the gene				
	overlaps with other	overlaps with other	overlaps with other	involved overlaps				
	pathways that are	pathways that are	pathways that are	with other				
	found in <i>S. aureus</i> .	found in <i>S. aureus</i> .	found in <i>S. aureus</i> .	pathways that are				
				found in <i>S. aureus</i> .				
	Provides images to	Provides images to	Does not provide					
	support their	support their	images to support	Does not provide				

	conclusions.	conclusions.		their conclusions.	_	s to support	
Section 2:	Excellent	Good		Acceptable	Needs		Not Done
Antibiotic					•	vement	
resistance	Identified at least	Identified at least		Identified at least	Identified at least		Identified at least
genes	one pathway,	one pathway,		one pathway for	one pathway for		one pathway for
(30 pts)	though ideally two	though ideally two		two of the 6 species.	two of the 6 species.		two of the 6 species.
	(some species only	(some species					
	have one) for two of	have one) for	two of	Identifies the genes		fies the genes	Does not identify
	the 6 species.	the 6 species.		in the organism in		organism in	the genes in the
				the pathway, but		thway, but	organism in the
	Identify the	Identifies the	0	doesn't identify the		't identify the	pathway, but
	members of the	in the organis		ones that are not.	ones t	hat are not.	doesn't identify the
	pathway that are	the pathway, l					ones that are not.
	present in this	doesn't identi	•	Discusses only		sses only	
	organism.	ones that are	not.	similarities or		rities or	Doesn't discuss
				differences, but not		ences, but not	similarities or
	Discusses	Discusses only similarities or differences, but not both.		both.	both.		differences
	similarities and						between these
	differences			Identifies that it is	Identifies that it is		organisms.
	between species.			methicillin-resistant. methic		cillin-resistant.	
							Identifies that it is
	Identifies that it is Identifies t			Explains which	Doesn't explain		methicillin-resistant.
	methicillin-resistant.	methicillin-resistant.		genes provide	which genes provide		
				resistance for this		nce for this	Doesn't explain
	Explains which	Explains which	1	organism.	organi	sm.	which genes provide
	genes provide	genes provide resistance for this					resistance for this
	resistance for this						organism.
	organism.	organism.					
Citations	Excellent		Acceptable		Needs Improvement		
2 pts	Cites Prokka CARD, KEGG Koala, Cites three of the 4 tools, and other Does not cite tools.						tools.

	and all other sources	sources used.	
Well written	Excellent	Acceptable	Needs Improvement
and clear 3 pts	Answers to each section written in paragraph form. Clearly written and easy to understand.	Answers to each section written mainly in paragraph form. Mostly clearly written and easy to understand.	Answers to each section written in bullet form. Difficult to understand.