

**Supplementary Table 1.** Relationship between bees collected for transcriptomic studies. Three queen bees originated both NA and HA bees. NA bees were represented by 4 individuals derived from queen 7, one individual derived from queen 15, and one individual derived from queen 2. For the HA bees, 2 individuals derived from queen 15, 2 individuals derived from queen 7, and one individual derived from queen 2. \*This sample was not included in the final analysis due to low read counts.

<b>Group</b>	<b>Bee</b>	<b>Queen</b>	<b>Hive</b>	<b>Obs. Hive</b>
NA (n=6)	#18 (NA1)	7	3	A
	#19 (NA2)	7	3	A
	#20 (NA3)	2	7	B
	#27 (NA4)	7	3	A
	#28 (NA5)	7	3	A
	#35 (NA6)	15	55	C
HA (n=5)	#14 (HA1)	2	7	B
	#15 (HA2)	15	55	C
	#16 (HA3)*	15	55	C
	#24 (HA4)	7	3	A
	#29 (HA5)	7	3	A