

S2 Table. Infection, dissemination and transmission rates of *Aedes aegypti* mosquitoes from Mombasa, Kisumu and Nairobi days post exposure to dengue-2 virus at different temperatures.

Days of incubation		Rate (No. positive/No. tested)								
		22°C			28°C			31°C		
		Mombasa	Kisumu	Nairobi	Mombasa	Kisumu	Nairobi	Mombasa	Kisumu	Nairobi
7	Infection	8.7 (2/23)	33.3 (4/12)	3.8 (1/26)	50 (9/18)*	27.6 (8/29)	25.0 (5/20)	29.2 (7/24)	52.2 (12/23)	22.7 (5/22)
	Dissemination	0.0 (0/23)	0.0 (0/12)	0.0 (0/26)	11.1 (2/18)	0.0 (0/29)	5.0 (1/20)	0.0 (0/24)	13.0 (3/23)	13.6 (3/22)
	Dissem/Infected	0.0 (0/2)	0.0 (0/4)	0.0 (0/1)	22.2 (2/9) [†]	0.0 (0/8)	20.0 (1/5)	0.0 (0/7)	25.0 (3/12) [†]	60.0 (3/5) [†]
	Transmission	0.0 (0/23)	0.0 (0/12)	0.0 (0/26)	0 (0/15)	0.0 (0/29)	0.0 (0/20)	0.0 (0/24)	4.8 (1/21)	0.0 (0/20)
	Trans/Infected	0.0 (0/2)	0.0 (0/4)	0.0 (0/1)	0 (0/6)	0.0 (0/8)	0.0 (0/5)	0.0 (0/7)	10.0 (1/10)	0.0 (0/3)
	Trans/Dissem	0.0	0.0	0.0	0 (0/2)	0.0	0.0 (0/1)	0.0	100 (1/1)	0.0 (0/1)
14	Infection	40.9 (9/22)	38.9 (7/18)	60.0 (3/5)	28.6 (4/14)	23.1 (6/26)	11.1 (2/18)	30.4 (7/23)	57.1 (12/21)	35.0 (7/20)
	Dissemination	9.1 (2/22)	0.0 (0/18)	0.0 (0/5)	7.1 (1/14)	11.5 (3/26)	5.6 (1/18)	21.7 (5/23)	19.0 (4/21)	30.0 (6/20)
	Dissem/Infected	22.2 (2/9)	0.0 (0/7)	0.0 (0/3)	25.0 (1/4)	50.0 (3/6)	50.0 (1/2)	71.5 (5/7)	33.3 (4/12)	85.7 (6/7)
	Transmission	4.5 (1/22)	0.0 (0/18)	0.0 (0/5)	7.1 (1/14)	0.0 (0/26)	0.0 (0/18)	8.7 (2/23)	4.8 (1/21)	15.0 (3/20)
	Trans/Infected	11.1 (1/19)	0.0 (0/7)	0.0 (0/3)	25.0 (1/4)	0.0 (0/6)	0.0 (0/2)	28.6 (2/7)	8.3 (1/12)	42.9 (3/7)
	Trans/Dissem	50.0 (1/2)	0.0	0.0	100.0 (1/1)	0.0 (0/3)	0.0 (0/1)	40.0 (2/5)	25.0 (1/4)	50.0 (3/6)
21	Infection	37.5 (3/8)	43.3 (8/15)	9.1 (1/11)	54.5 (6/11)	32 (9/28)	38.9 (7/18)	7.1 (1/14)	21.1 (4/19)	11.8 (2/17)
	Dissemination	0.0 (0/8)	0.0 (0/15)	0.0 (0/11)	27.3 (3/11)	32.1 (9/28)	27.8 (5/18)	7.1 (1/14)	21.1 (4/19)	11.8 (2/17)
	Dissem/Infected	0.0 (0/3)	0.0 (0/8)	0.0 (0/1)	50.0 (3/6)	100.0 (9/9)	71.4 (5/7)	100.1 (1/1)	100.0 (4/4)	100.0 (2/2)
	Transmission	0.0 (0/8)	0.0 (0/15)	0.0 (0/11)	0.0 (0/11)	3.6 (1/28)	0.0 (0/18)	0.0 (0/14)	10.5 (2/19)	0.0 (0/17)
	Trans/Infected	0.0 (0/3)	0.0 (0/8)	0.0 (0/1)	0.0 (0/6)	11.1 (1/9)	0.0 (0/7)	0.0 (0/1)	50.0 (2/4)	0.0 (0/2)
	Trans/Dissem	0.0	0.0	0.0	0.0 (0/3)	11.1 (1/9)	0.0 (0/5)	0.0 (0/1)	50.0 (2/4)	0.0 (0/2)

Dissem = Dissemination. Trans = Transmission.

* Includes one mosquito not tested for dissemination and transmission. [†] Includes two mosquitoes not tested for transmission.