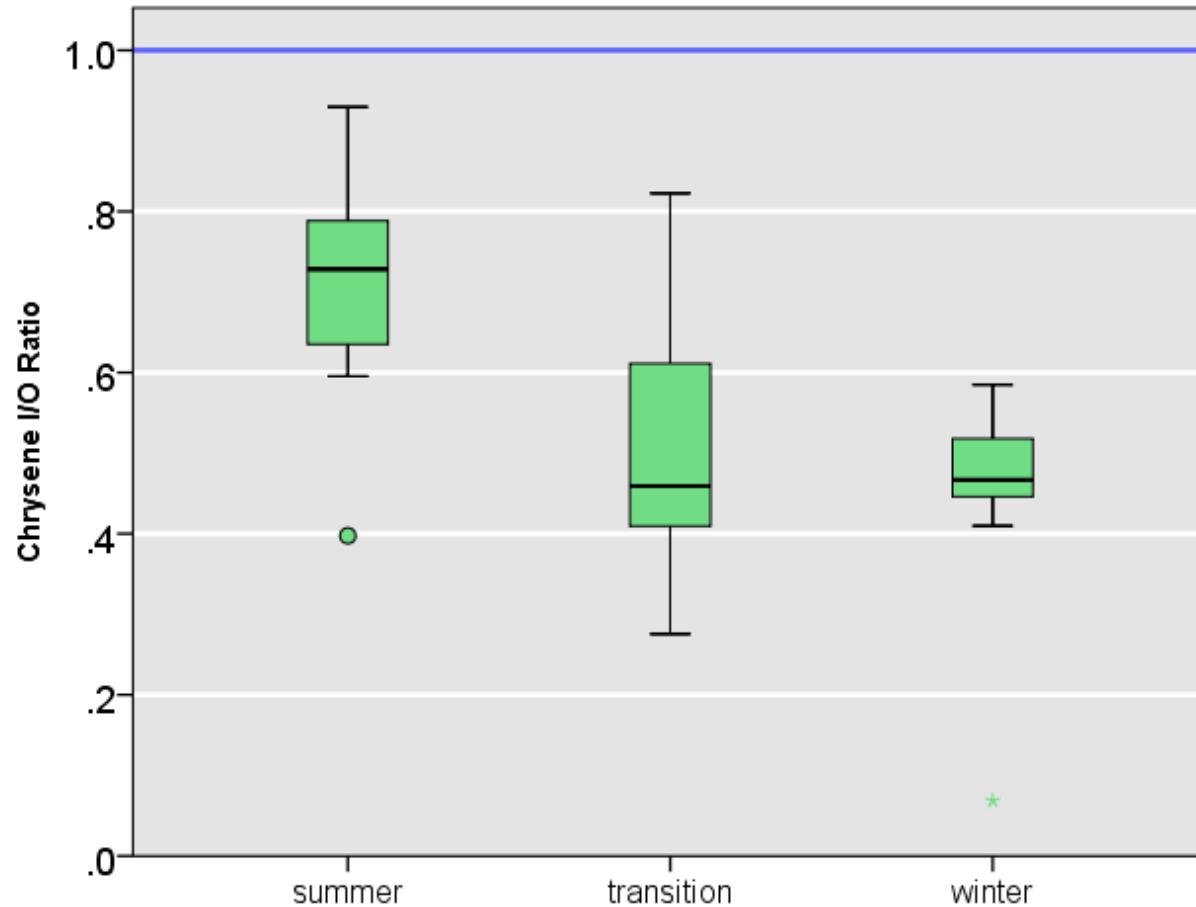


1 **SUPPORTING INFORMATION**

2
3 **Figure S1: Distribution of Chrysene I/O ratios by season among non-smoker households.**

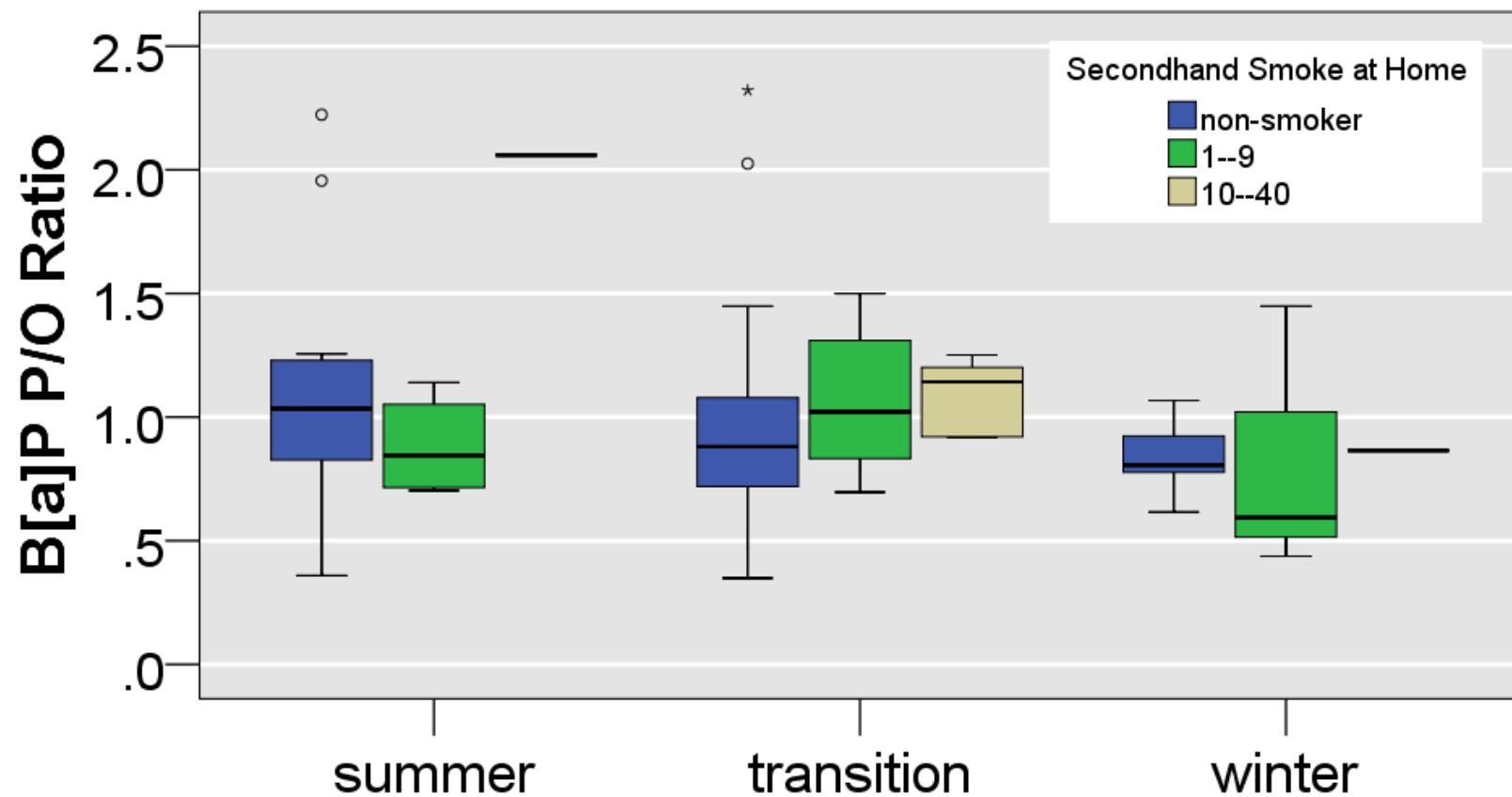
4



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1 **Figure S2: Distribution of BaP Personal/Outdoor Ratio, according to season and SHS intensity.**

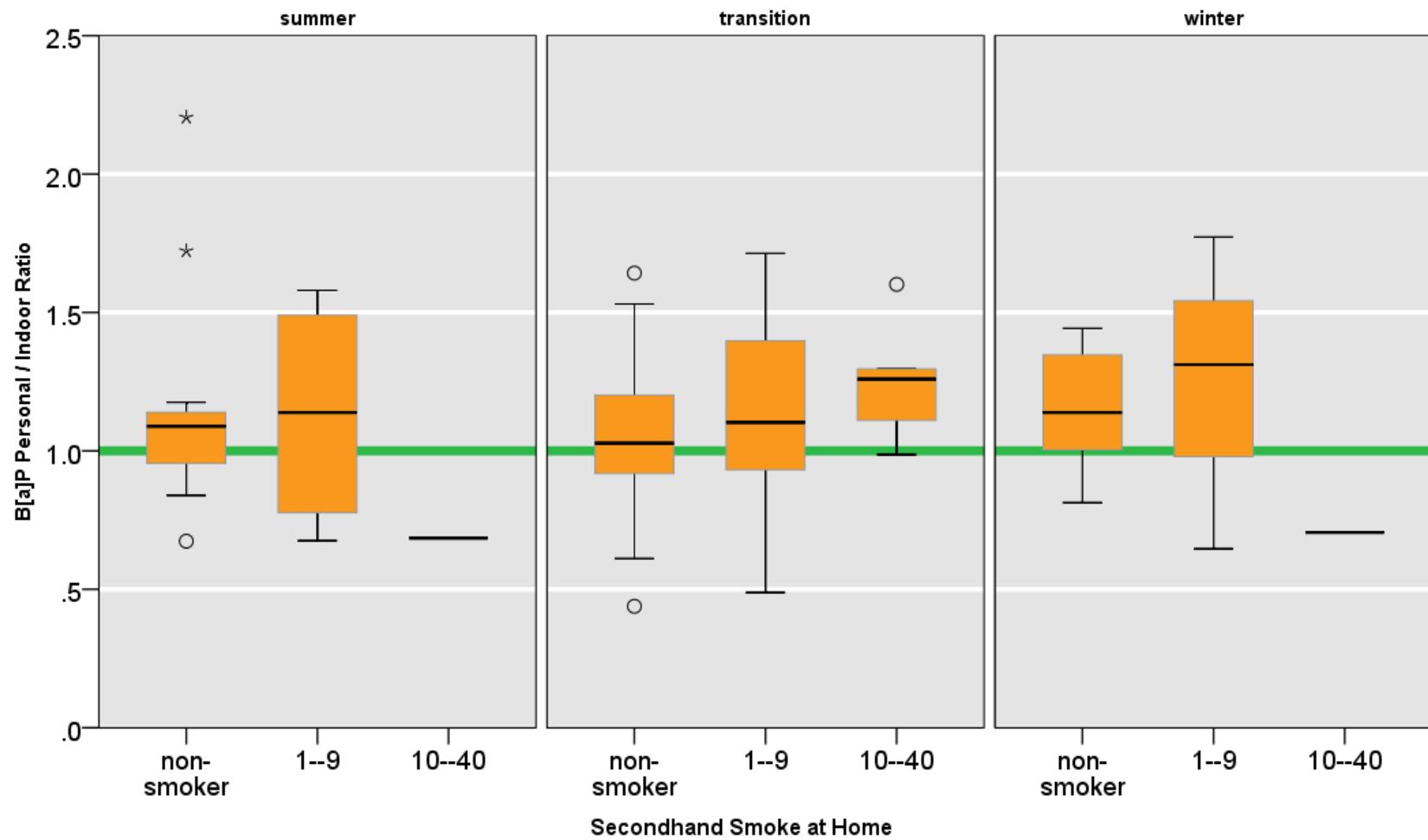
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1 **Figure S3: Distribution of BaP Personal/Indoor Ratio, according to season and SHS intensity.**

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1 **Table S1: Distribution of Chrysene IN/Chrysene OUT According to Possible Indoor Sources.**

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	<i>N</i>	<i>Mean</i>	<i>SD</i>	<i>Min</i>	<i>Median</i>	<i>Max</i>	<i>N</i>	<i>Mean</i>	<i>SD</i>	<i>Min</i>	<i>Median</i>	<i>Max</i>	<i>N</i>	<i>Mean</i>	<i>SD</i>	<i>Min</i>	<i>Median</i>	<i>Max</i>
Candle burning																		
<u>No</u>																		
summer																		
summer	10	0.74	0.12	0.59	0.73	0.93	8	0.89	0.56	0.40	0.73	2.24						
transition	17	0.57	0.21	0.30	0.51	1.19	24	0.51	0.15	0.28	0.46	0.81						
winter	5	0.40	0.19	0.07	0.48	0.51	11	0.50	0.16	0.30	0.45	0.91						
<u>Yes</u>																		
Incense burning																		
<u>No</u>																		
summer																		
summer	13	0.85	0.44	0.40	0.77	2.24	5	0.68	0.07	0.59	0.67	0.76						
transition	31	0.53	0.19	0.28	0.46	1.19	10	0.56	0.12	0.45	0.55	0.79						
winter	14	0.48	0.17	0.07	0.48	0.91	2	0.38	0.11	0.30	0.38	0.45						
Secondhand Smoke																		
<u>Non-smoker</u>																		
<u>1—9 cigarettes/day</u>																		
summer																		
summer	13	0.72	0.14	0.40	0.73	0.93	4	0.72	0.11	0.59	0.72	0.85	1	2.24		2.24	2.24	2.24
transition	28	0.51	0.16	0.28	0.46	0.82	8	0.60	0.25	0.40	0.54	1.19	5	0.58	0.12	0.45	0.64	0.70
winter	12	0.45	0.13	0.07	0.47	0.58	3	0.39	0.09	0.30	0.39	0.48	1	0.91		0.91	0.91	0.91
<u>10—40 cigarettes/day</u>																		

3

1 Table S2: personal/indoor ratios of nine PAHs

	B[a]A P/I	B[b]F P/I	B[k]F P/I	B[ghi]P P/I	B[a]P P/I	Chrysene P/I	D[ah]A P/I	IP P/I	pyrene P/I
Summer	<u>small home</u>								
	N	12	12	12	12	12	12	12	12
	Mean	1.10	1.03	1.00	1.13	1.15	1.11	0.98	1.08
	SD	0.17	0.21	0.16	0.30	0.42	0.29	0.14	0.16
	50 th	1.06	0.97	1.04	1.05	1.06	0.99	0.99	1.05
	<u>larger home</u>								
	N	1	1	1	1	1	1	1	1
	Mean	1.21	1.02	1.01	0.92	1.18	1.20	0.81	0.91
	SD	1.21	1.02	1.01	0.92	1.18	1.20	0.81	0.91
	50 th	1.21	1.02	1.01	0.92	1.18	1.20	0.81	0.91
Median P/I Difference	-14%	-5%	2%	12%	-11%	-21%	18%	14%	-4%
Transition	<u>small home</u>								
	N	25	25	25	25	25	25	25	25
	Mean	1.06	1.09	1.01	1.11	1.05	1.08	1.00	1.07
	SD	0.25	0.32	0.25	0.27	0.27	0.29	0.28	0.25
	50 th	1.06	1.05	0.99	1.10	1.03	1.10	1.00	1.06
	<u>larger home</u>								
	N	3	3	3	3	3	3	3	3
	Mean	1.15	1.17	1.18	1.20	1.18	1.16	1.23	1.23
	SD	0.16	0.19	0.22	0.20	0.19	0.17	0.24	0.23
	50 th	1.20	1.25	1.20	1.31	1.23	1.22	1.35	1.28
Median P/I Difference	-13%	-19%	-22%	-19%	-20%	-10%	-35%	-21%	-5%
Winter	<u>small home</u>								
	N	11	11	11	11	11	11	11	11
	Mean	1.67	1.74	1.75	1.76	1.88	1.70	1.97	1.76
	SD	1.83	1.91	1.82	2.03	2.52	1.81	2.68	2.08
	50 th	1.08	1.26	1.23	1.19	1.12	1.24	1.19	1.19
	<u>larger home</u>								
	N	1	1	1	1	1	1	1	1
	Mean	1.41	1.15	1.18	1.08	1.16	1.34	1.15	1.09
	50 th	1.41	1.15	1.18	1.08	1.16	1.34	1.15	1.09
Median P/I Difference	-31%	8%	4%	9%	-3%	-8%	3%	9%	-12%

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1 **Table S3: Distribution of Chrysene IN/Chrysene OUT According to Common Cooking**
2 **Behavior.**

			N	Mean	SD	Min	Median	Max	P-value
Use electric stove	yes	summer	3	0.77	0.11	0.67	0.76	0.88	0.54
		transition	6	0.50	0.12	0.38	0.49	0.64	
		winter	4	0.44	0.11	0.30	0.45	0.57	
	no	summer	15	0.81	0.42	0.40	0.73	2.24	
		transition	35	0.54	0.18	0.28	0.48	1.19	
		winter	12	0.48	0.19	0.07	0.48	0.91	
	Overall	summer	18	0.81	0.38	0.40	0.73	2.24	
		transition	41	0.54	0.17	0.28	0.48	1.19	
		winter	16	0.47	0.17	0.07	0.47	0.91	
Use electric oven	yes	summer	9	0.89	0.53	0.40	0.73	2.24	0.55
		transition	17	0.52	0.14	0.30	0.46	0.82	
		winter	7	0.46	0.09	0.30	0.45	0.58	
	no	summer	9	0.72	0.11	0.59	0.73	0.89	
		transition	24	0.55	0.19	0.28	0.51	1.19	
		winter	9	0.48	0.22	0.07	0.48	0.91	
	Overall	summer	18	0.81	0.38	0.40	0.73	2.24	
		transition	41	0.54	0.17	0.28	0.48	1.19	
		winter	16	0.47	0.17	0.07	0.47	0.91	
Use gas stove	yes	summer	15	0.81	0.42	0.40	0.73	2.24	0.54
		transition	35	0.54	0.18	0.28	0.48	1.19	
		winter	12	0.48	0.19	0.07	0.48	0.91	
	no	summer	3	0.77	0.11	0.67	0.76	0.88	
		transition	6	0.50	0.12	0.38	0.49	0.64	
		winter	4	0.44	0.11	0.30	0.45	0.57	
	Overall	summer	18	0.81	0.38	0.40	0.73	2.24	
		transition	41	0.54	0.17	0.28	0.48	1.19	
		winter	16	0.47	0.17	0.07	0.47	0.91	
Use gas oven	yes	summer	6	0.74	0.11	0.60	0.75	0.89	0.72
		transition	13	0.52	0.24	0.28	0.46	1.19	
		winter	4	0.47	0.04	0.41	0.48	0.51	
	no	summer	12	0.84	0.46	0.40	0.72	2.24	
		transition	28	0.54	0.14	0.30	0.50	0.82	
		winter	12	0.47	0.20	0.07	0.45	0.91	
	Overall	summer	18	0.81	0.38	0.40	0.73	2.24	
		transition	41	0.54	0.17	0.28	0.48	1.19	

		winter	16	0.47	0.17	0.07	0.47	0.91
Use wood stove	no	summer	18	0.81	0.38	0.40	0.73	2.24
		transition	41	0.54	0.17	0.28	0.48	1.19
		winter	16	0.47	0.17	0.07	0.47	0.91
Use wood oven	no	summer	18	0.81	0.38	0.40	0.73	2.24
		transition	41	0.54	0.17	0.28	0.48	1.19
		winter	16	0.47	0.17	0.07	0.47	0.91
Use coal burning stove	no	summer	18	0.81	0.38	0.40	0.73	2.24
		transition	41	0.54	0.17	0.28	0.48	1.19
		winter	16	0.47	0.17	0.07	0.47	0.91
Use coal burning oven	no	summer	18	0.81	0.38	0.40	0.73	2.24
		transition	41	0.54	0.17	0.28	0.48	1.19
		winter	16	0.47	0.17	0.07	0.47	0.91
use charcoal grill	yes	summer	5	0.66	0.17	0.40	0.67	0.85
		transition	5	0.49	0.07	0.42	0.46	0.60
		winter	3	0.52	0.06	0.48	0.49	0.58
	no	summer	13	0.86	0.43	0.59	0.73	2.24
		transition	36	0.54	0.18	0.28	0.51	1.19
		winter	13	0.46	0.18	0.07	0.45	0.91
	Overall	summer	18	0.81	0.38	0.40	0.73	2.24
		transition	41	0.54	0.17	0.28	0.48	1.19
		winter	16	0.47	0.17	0.07	0.47	0.91
exhaust fan use	Always	summer	7	0.72	0.18	0.40	0.73	0.93
		transition	11	0.60	0.23	0.40	0.54	1.19
		winter	3	0.43	0.03	0.39	0.45	0.45
	≥half the time	summer	2	0.68	0.07	0.64	0.68	0.73
		transition	1	0.82		0.82	0.82	0.82
	Sometimes	summer	1	2.24		2.24	2.24	2.24
		transition	4	0.49	0.13	0.38	0.47	0.65
		winter	3	0.41	0.10	0.30	0.45	0.48
	Rarely or never	summer	1	0.76		0.76	0.76	0.76
		transition	8	0.46	0.13	0.28	0.45	0.64
	N/A	summer	7	0.73	0.12	0.59	0.70	0.89
		transition	17	0.52	0.14	0.30	0.47	0.81
		winter	10	0.50	0.21	0.07	0.50	0.91
	Overall	summer	18	0.81	0.38	0.40	0.73	2.24
		transition	41	0.54	0.17	0.28	0.48	1.19
		winter	16	0.47	0.17	0.07	0.47	0.91

Is the cooking oven separate from the stove?	yes	summer	1	0.85		0.85	0.85	0.85	0.98
		transition	1	0.71		0.71	0.71	0.71	
		winter	2	0.39	0.13	0.30	0.39	0.48	
	no	summer	17	0.80	0.39	0.40	0.73	2.24	
		transition	40	0.53	0.17	0.28	0.47	1.19	
		winter	14	0.48	0.17	0.07	0.47	0.91	
	Overall	summer	18	0.81	0.38	0.40	0.73	2.24	
		transition	41	0.54	0.17	0.28	0.48	1.19	
		winter	16	0.47	0.17	0.07	0.47	0.91	
Would you say you use the exhaust fan ...	Sometimes	winter	1	0.48		0.48	0.48	0.48	0.69
		summer	18	0.81	0.38	0.40	0.73	2.24	
		transition	41	0.54	0.17	0.28	0.48	1.19	
	NA	winter	15	0.47	0.17	0.07	0.45	0.91	
		summer	18	0.81	0.38	0.40	0.73	2.24	
		transition	41	0.54	0.17	0.28	0.48	1.19	
	Overall	winter	16	0.47	0.17	0.07	0.47	0.91	
		summer	8	0.89	0.56	0.40	0.73	2.24	0.83
		transition	24	0.51	0.15	0.28	0.46	0.81	
Burn Candle	yes	winter	11	0.50	0.16	0.30	0.45	0.91	
		summer	10	0.74	0.12	0.59	0.73	0.93	
		transition	17	0.57	0.21	0.30	0.51	1.19	
	no	winter	5	0.40	0.19	0.07	0.48	0.51	
		summer	18	0.81	0.38	0.40	0.73	2.24	
		transition	41	0.54	0.17	0.28	0.48	1.19	
	Overall	winter	16	0.47	0.17	0.07	0.47	0.91	
		summer	5	0.68	0.07	0.59	0.67	0.76	0.85
		transition	10	0.56	0.12	0.45	0.55	0.79	
Burn incense	yes	winter	2	0.38	0.11	0.30	0.38	0.45	
		summer	13	0.85	0.44	0.40	0.77	2.24	
		transition	31	0.53	0.19	0.28	0.46	1.19	
	no	winter	14	0.48	0.17	0.07	0.48	0.91	
		summer	18	0.81	0.38	0.40	0.73	2.24	
		transition	41	0.54	0.17	0.28	0.48	1.19	
	Overall	winter	16	0.47	0.17	0.07	0.47	0.91	