

**Table 3.3.** List of pollinator species that are indicators of oak-savannah and urban habitats. Letters in brackets indicate that the species is specifically associated with the one type of habitat type within the grouping (FF = forest-associated OS fragment, UF = urban-associated OS fragment, UM = urban matrix, IU = independent urban sites, from indicator species analysis in PC-ORD).  $IV_{max}$  is the maximum indicator value for that species across all habitat types, and  $P$ -values were obtained from permutations. \*Denotes introduced species. I excluded species if less than 5 were caught, as the association may be due to rarity rather than habitat preferences (as such there were no significant indicators of forest matrix habitat).

Oak-savannah				Urban			
Pollinator species	$IV_{max}$	Simulated mean $IV_{max}$ ( $\pm$ SD)	$P$	Pollinator species	$IV_{max}$	Simulated mean $IV_{max}$ ( $\pm$ SD)	$P$
<i>Agapostemon texanus</i> (UF)	66.0	32.0 (13.16)	0.03	<i>Andrena subtilis</i> (IU)	66.7	28 (10.26)	0.004
<i>Andrena angustitarsata</i>	59.7	33.4 (12.19)	0.04	<i>Anthidium manicatum</i> * (IU)	55.1	28.7 (10.1)	0.03
<i>Andrena nigrocaerulea</i>	73.9	36.8 (9.57)	0.0014	<i>Apis mellifera</i> * (IU)	43.4	30.7 (5.96)	0.02
<i>Andrena salicifloris</i>	74.5	42.6 (10.6)	0.0076	<i>Bombus californicus</i> (UM)	56.9	31.7 (8.66)	0.01
<i>Bombus bifarius</i> (FF)	38.0	28.2 (3.37)	0.01	<i>Bombus melanopygus</i> (IU)	38.5	29.7 (4.0)	0.03
<i>Ceratina acantha</i> (UF)	50.4	32.4 (8.23)	0.04	<i>Bombus mixtus</i> (IU)	38.8	30.4 (4.39)	0.05
<i>Empididae sp.</i> (UF)	60.0	26.7 (11.33)	0.01	<i>Bombus vosnesenskii</i>	64.8	14.7 (7.97)	0.0072
<i>Lasioglossum (Dialictus) incompletum</i>	58.8	26.9 (11.95)	0.027	<i>Colletes kincaidii</i> (UM)	54.2	30.9 (12.28)	0.0426
<i>Lasioglossum (Lasioglossum) olympiae</i>	70.0	45.0 (11.79)	0.039	<i>Eristalis arbustorum</i> *	50.0	22.3 (11.42)	0.05
<i>Lasioglossum (Evylaeus) sp. 4</i> (UF)	53.8	29.9 (9.13)	0.03	<i>Halictus confusus</i>	71.9	33.5 (11.25)	0.0078
<i>Phorocerus sp.</i> (UF)	77.8	25.4 (11.28)	0.006	<i>Halictus rubicundus</i>	68.8	36.5 (9.35)	0.0024
<i>Volucella bombylans</i>	83.5	32.4 (11.7)	0.0012	<i>Halictus tripartitus</i> (IU)	66.2	24.2 (14.08)	0.036
				<i>Lasioglossum (Dialictus) cressonii</i>	54.3	29.4 (11.22)	0.04
				<i>Lasioglossum (Dialictus) laevissimum</i> (IU)	68.9	27.0 (12.38)	0.0072
				<i>Lasioglossum (Dialictus) nevadense</i>	65.0	27 (10.6)	0.009
				<i>Lasioglossum (Dialictus) pacatum</i> (IU)	73.2	28.9 (14.65)	0.04
				<i>Megachile frigida</i> (IU)	62.5	23.0 (12.58)	0.03
				<i>Megachile melanophaea</i> (IU)	50.0	28.5 (9.88)	0.05
				<i>Megachile perihirta</i>	58.3	29.6 (11.39)	0.02
				<i>Megachile rotundata</i> *	62.5	24.5 (11.57)	0.02
				<i>Merodon equestris</i> *	82.1	38.2 (9.13)	0.0002
				<i>Osmia caerulescens</i> (IU)	75.0	21.0 (13.76)	0.02
				<i>Osmia lignaria</i> (IU)	46.8	30.1 (8.35)	0.05
				<i>Osmia pusila</i> (UM)	47.4	28.4 (8.02)	0.05
				<i>Platycheirus obscurus</i> (UM)	75.0	23.6 (12.61)	0.02
				<i>Polistes gallica</i> (UM)	64.7	25.9 (11.77)	0.01
				<i>Syrretta pipiens</i> (IU)*	71.4	26.4 (11.32)	0.0072