

**Supplemental Table 2.** (A) Verbal stimuli selection data.

Concept	Familiarity	Frequency	Age of acquisition	Naming latency (ms)	# of syllables	# of phonemes
<b>Accordion</b>	<b>2.15</b>	<b>1</b>	<b>6.24</b>	<b>1412</b>	4	8
Airplane	3.78	11	3.49	722	2	6
<b>Alligator</b>	<b>1.65</b>	4	<b>4.86</b>	888	4	7
Anchor	<b>1.6</b>	15	—	—	2	4
Ant	2.62	6	2.74	1145	1	3
Apple	3.98	9	2.55	745	2	3
<i>Arm</i>	4.75	94	2.25	826	1	3
Arrow	3.38	14	4.36	811	2	4
<b>Artichoke</b>	<b>2.29</b>	<b>0</b>	<b>6.28</b>	<b>1426</b>	3	7
<b>Ashtray</b>	3.56	<b>0</b>	<b>4.95</b>	<b>1250</b>	2	6
<b>Asparagus</b>	2.68	<b>1</b>	<b>6.03</b>	<b>1282</b>	4	9
<b>Axe</b>	<b>2.28</b>	12	<b>4.97</b>	959	1	3
Baby carriage	2.72	—	4.1	1030	4	9
Ball	3.2	110	2.03	785	1	3
Balloon	2.58	10	2.38	766	2	5
<i>Banana</i>	3.65	4	2.76	683	3	6
Barn	2.38	29	4.15	979	1	4
<b>Barrel</b>	<b>2.02</b>	24	<b>5.37</b>	953	2	4
Baseball bat	3.68	—	3.78	764	3	9
Basket	<b>2.18</b>	17	4.16	752	2	6
Bear	<b>1.98</b>	57	3.65	1044	1	3
<i>Bed</i>	4.72	127	2.42	645	1	3
Bee	2.68	11	3.53	<b>1087</b>	1	2
<b>Beetle</b>	<b>1.88</b>	<b>0</b>	<b>5.32</b>	<b>1461</b>	2	4
Bell	2.2	18	3.6	654	1	3
Belt	4.12	29	3.95	772	1	4
Bicycle	3.78	5	3.74	648	3	6
Bird	3.62	31	2.87	895	1	4
<b>Blouse</b>	4.18	<b>1</b>	<b>4.87</b>	1025	1	4
<i>Book</i>	4.75	193	2.79	652	1	3
Boot	3.38	13	3.75	733	1	3
Bottle	3.72	76	3.58	829	2	4
Bow	<b>2.25</b>	15	3.7	800	1	3
Bowl	4.18	23	2.89	767	1	3
Box	2.88	70	2.69	732	1	4
<i>Bread</i>	4.4	41	2.74	726	1	4
Broom	3.42	2	3.73	797	1	4

Concept	Familiarity	Frequency	Age of acquisition	Naming latency (ms)	# of syllables	# of phonemes
Brush	3.8	44	3.08	711	1	4
Bus	4.5	34	3.1	766	1	3
Butterfly	2.92	2	3.58	738	3	7
Button	3.85	10	—	—	2	4
<i>Cake</i>	4.02	13	2.73	733	1	3
<b>Camel</b>	<b>2.08</b>	<b>1</b>	<b>4.89</b>	1061	2	4
Candle	3.08	18	4.1	760	2	5
Cannon	<b>1.52</b>	7	—	—	2	5
Cap	3.12	27	3.61	886	1	3
<i>Car</i>	4.7	274	2.73	669	1	3
Carrot	3.55	<b>1</b>	3.16	737	2	5
Cat	4.22	23	2.5	727	1	3
<b>Caterpillar</b>	<b>1.72</b>	<b>1</b>	4.26	<b>1095</b>	4	8
<b>Celery</b>	3.4	4	<b>5</b>	<b>1251</b>	3	5
Chain	2.82	50	4.73	870	1	3
<i>Chair</i>	4.58	66	2.92	629	1	3
Cherry	3.38	6	3.79	<b>1100</b>	2	4
Chicken	2.42	37	3.13	1051	2	4
<b>Chisel</b>	2.46	4	<b>7.03</b>	<b>1296</b>	2	4
Church	3.38	348	3.85	822	1	3
<b>Cigar</b>	2.35	10	<b>5.82</b>	<b>1110</b>	2	5
Cigarette	3.65	25	4.78	923	3	7
Clock	4.38	20	3.47	739	1	4
<b>Clothespin</b>	2.8	<b>0</b>	<b>4.95</b>	<b>1408</b>	2	7
Cloud	3.82	28	3.13	<b>1365</b>	1	4
Clown	2.6	3	3.23	813	1	4
Coat	3.88	43	3.47	954	1	3
Comb	4.52	6	3.1	738	1	3
Corn	3.5	34	3.5	795	1	4
Couch	4.4	12	3.63	875	1	3
Cow	2.42	29	3.11	928	1	2
Crown	<b>1.52</b>	19	3.98	923	1	4
<i>Cup</i>	4.4	45	2.68	719	1	3
Deer	<b>2.22</b>	13	3.98	972	1	3
Desk	4.32	65	3.92	825	1	4
<i>Dog</i>	4.6	75	2.23	754	1	3
Doll	2.92	10	2.46	871	1	3
<b>Donkey</b>	<b>1.88</b>	<b>1</b>	4.35	963	2	5
<i>Door</i>	4.68	312	2.55	670	1	3

Concept	Familiarity	Frequency	Age of acquisition	Naming latency (ms)	# of syllables	# of phonemes
Doorknob	4.25	3	3.85	1067	2	6
Dress	3.62	67	3.32	842	1	4
<b>Dresser</b>	4.52	<b>1</b>	4.55	<b>1100</b>	2	5
Drum	2.6	11	4.27	845	1	4
Duck	2.75	9	2.93	899	1	3
<b>Eagle</b>	2.42	5	<b>5.08</b>	<b>1122</b>	2	3
<i>Ear</i>	4.5	29	2.13	687	1	2
Elephant	2.35	7	3.66	756	3	6
Envelope	4.12	21	4.43	714	3	7
<i>Eye</i>	4.88	122	2.13	637	1	2
Fence	3.02	30	3.73	759	1	4
<i>Finger</i>	4.78	40	2.1	778	2	5
<i>Fish</i>	3.28	35	2.84	670	1	3
Flag	2.9	16	3.72	784	1	4
Flower	3.88	23	2.68	708	2	4
<b>Flute</b>	2.45	<b>1</b>	<b>5.45</b>	<b>1465</b>	1	4
Fly	3.02	33	3.63	861	1	3
<i>Foot</i>	4.78	70	2.08	702	1	3
Football	3.55	36	4.55	798	2	6
Football helmet	3.15	—	—	—	4	12
Fork	4.78	14	3.03	703	1	4
Fox	<b>1.95</b>	13	4	953	1	4
<b>French horn</b>	<b>2</b>	—	<b>7.13</b>	<b>1263</b>	2	9
Frog	2.48	<b>1</b>	3.48	768	1	4
Frying pan	4.15	—	3.32	850	3	8
Garbage can	4.08	—	3.7	816	3	9
<b>Giraffe</b>	<b>1.8</b>	<b>0</b>	4.21	733	2	4
<i>Glass</i>	4.78	99	2.9	768	1	4
Glasses	4	29	3.76	712	2	6
Glove	3.38	9	3.33	796	1	4
<b>Goat</b>	<b>1.92</b>	6	4.5	<b>1325</b>	1	3
<b>Gorilla</b>	<b>2.05</b>	<b>0</b>	4.5	879	3	6
Grapes	3.65	7	3.5	760	1	5
<b>Grasshopper</b>	2.42	<b>0</b>	4.28	<b>1233</b>	3	8
Guitar	3.58	19	4.32	832	2	5
Gun	2.68	118	4.05	708	1	3
<i>Hair</i>	4.59	148	2.13	1058	1	3
Hammer	3.48	9	4.46	743	2	4
<i>Hand</i>	4.82	431	2.24	655	1	4

Concept	Familiarity	Frequency	Age of acquisition	Naming latency (ms)	# of syllables	# of phonemes
Hanger	4.52	0	3.95	776	2	4
<b>Harp</b>	<b>1.88</b>	<b>1</b>	<b>6.08</b>	1004	1	4
<i>Hat</i>	3.18	56	2.9	664	1	3
<i>Heart</i>	3.72	173	3.32	678	1	4
<b>Helicopter</b>	2.55	<b>1</b>	<b>4.93</b>	775	4	9
Horse	3.55	117	3.53	802	1	4
<i>House</i>	4.38	591	2.41	730	1	3
Iron	3.65	43	4.76	786	2	4
Ironing board	3.5	—	<b>5.08</b>	1047	4	11
Jacket	4	33	3.42	813	2	5
<b>Kangaroo</b>	<b>1.92</b>	<b>0</b>	4.3	909	3	7
Kettle	3.8	3	<b>5.35</b>	962	2	4
Key	4.85	88	3.5	765	1	2
Kite	2.48	<b>1</b>	3.74	748	1	3
Knife	4.45	76	3.18	812	1	3
Ladder	3.35	19	4.5	785	2	4
Lamp	4.2	18	3.75	785	1	4
<i>Leaf</i>	4.3	12	2.75	729	1	3
<i>Leg</i>	4.65	58	2.2	853	1	3
Lemon	3.25	18	3.6	918	2	5
<b>Leopard</b>	<b>1.92</b>	<b>0</b>	<b>4.95</b>	1051	2	5
Lettuce	3.42	<b>0</b>	4.24	959	2	5
Light bulb	4.18	—	4	771	2	7
Light switch	4.58	—	3.87	987	2	7
Lion	<b>2</b>	17	3.75	916	2	4
<i>Lips</i>	4.5	69	2.55	672	1	4
<b>Lobster</b>	2.58	<b>1</b>	<b>5.3</b>	992	2	6
Lock	3.18	23	<b>4.89</b>	918	1	3
Mitten	3.1	<b>0</b>	3.35	838	2	5
Monkey	2.58	9	3.84	811	2	5
Moon	3.98	60	2.95	954	1	3
<b>Motorcycle</b>	3.25	<b>0</b>	<b>4.89</b>	766	4	8
Mountain	2.7	33	4.25	761	2	6
Mouse	2.45	10	3.35	790	1	3
Mushroom	2.88	2	4.45	787	2	6
Nail	3.28	6	4.34	793	1	3
<b>Nail file</b>	3.15	—	<b>5.6</b>	<b>1217</b>	2	6
Necklace	2.7	3	3.95	850	2	6
Needle	3.4	15	4.28	1023	2	4

Concept	Familiarity	Frequency	Age of acquisition	Naming latency (ms)	# of syllables	# of phonemes
<i>Nose</i>	4.52	60	2.38	728	1	3
<b>Nut</b>	2.55	15	<b>5.5</b>	<b>1171</b>	1	3
Onion	3.32	15	4.08	1058	2	5
Orange	3.34	23	3.23	853	2	5
<b>Ostrich</b>	<b>1.52</b>	<b>0</b>	<b>5.55</b>	<b>1235</b>	2	6
Owl	<b>2.22</b>	2	4.08	812	1	3
<b>Paintbrush</b>	2.78	<b>1</b>	4.21	<b>1205</b>	2	8
<i>Pants</i>	4.55	9	2.83	700	1	5
Peach	2.9	3	3.74	<b>1419</b>	1	3
<b>Peacock</b>	<b>2.05</b>	2	<b>4.9</b>	1065	2	5
Peanut	3	6	3.55	823	2	5
Pear	3.55	6	3.68	779	1	3
Pen	4.78	18	3.35	764	1	3
<i>Pencil</i>	4.42	34	3.28	656	2	5
<b>Penguin</b>	<b>1.7</b>	<b>0</b>	4.74	1001	2	7
Pepper	2.92	13	4.78	<b>1359</b>	2	4
Piano	3.42	38	4.28	770	2	5
Pig	<b>2.18</b>	8	3.15	891	1	3
Pineapple	2.95	9	2.89	902	3	6
Pipe	2.9	20	4.53	817	1	3
<b>Pitcher</b>	3.5	21	<b>4.82</b>	<b>1324</b>	2	4
<b>Pliers</b>	3.38	<b>1</b>	<b>5.64</b>	<b>1160</b>	2	5
Plug	4.18	23	4.55	1064	1	4
Pocketbook	3.95	3	4.79	914	3	8
Pot	4.22	28	3.47	830	1	3
Potato	3.46	15	3.64	828	3	6
Pumpkin	3.08	2	4	947	2	7
Rabbit	2.95	11	2.8	724	2	5
<b>Raccoon</b>	<b>2.2</b>	<b>1</b>	<b>5.21</b>	<b>1246</b>	2	5
Record player	4.4	—	4.43	<b>1239</b>	4	9
Refrigerator	4.68	23	3.78	833	5	10
<b>Rhinoceros</b>	<b>1.52</b>	3	<b>5.15</b>	961	4	8
Ring	3.48	47	3.74	831	1	3
Rocking chair	3.25	—	4.28	769	3	8
<b>Roller skate</b>	<b>2.25</b>	—	4.61	<b>1092</b>	3	8
Rolling pin	<b>2.22</b>	—	4.68	1082	3	8
<b>Rooster</b>	<b>2.22</b>	3	4.16	<b>1086</b>	2	5
Ruler	3.58	3	4.3	738	2	4
Sailboat	2.92	<b>1</b>	4.68	817	2	6

Concept	Familiarity	Frequency	Age of acquisition	Naming latency (ms)	# of syllables	# of phonemes
<b>Saltshaker</b>	4.18	<b>0</b>	<b>4.83</b>	805	3	8
Sandwich	4.45	10	3.13	851	2	7
Saw	2.92	352	4.4	839	1	2
Scissors	3.98	<b>1</b>	3.79	696	2	5
Screw	3.2	21	<b>4.93</b>	919	1	4
<b>Screwdriver</b>	3.42	<b>0</b>	<b>5.24</b>	1035	3	9
<b>Sea horse</b>	<b>1.5</b>	—	<b>5.13</b>	<b>1333</b>	2	6
<b>Seal</b>	<b>1.62</b>	17	<b>4.95</b>	<b>1084</b>	1	3
Sheep	<b>1.85</b>	23	3.6	1016	1	3
Shirt	4.56	27	3	881	1	3
<i>Shoe</i>	4.62	14	2.72	633	1	2
Skirt	3.64	21	3.84	1055	1	4
<b>Skunk</b>	<b>2.3</b>	<b>0</b>	4.33	918	1	5
Sled	2.8	<b>0</b>	4.68	966	1	4
<b>Snail</b>	<b>1.85</b>	<b>1</b>	4.1	866	1	4
Snake	<b>1.9</b>	44	3.92	747	1	4
Snowman	3.15	<b>0</b>	3.18	770	2	6
<i>Sock</i>	4.52	4	2.44	680	1	3
Spider	<b>2.28</b>	2	3.38	1009	2	5
Spinning wheel	<b>1.18</b>	—	—	—	3	9
Spool of thread	3.12	—	4.68	968	3	10
<i>Spoon</i>	4.5	6	2.45	707	1	4
Squirrel	3.82	<b>1</b>	3.89	908	2	5
<i>Star</i>	3.35	25	2.9	646	1	4
Stool	3.08	8	4.26	1038	1	4
Stove	4.65	15	4.18	790	1	4
Strawberry	3.2	<b>0</b>	3.68	875	3	8
Suitcase	3.65	20	4.45	945	2	6
<i>Sun</i>	4.9	112	2.34	649	1	3
Swan	<b>1.97</b>	3	4.3	913	1	4
Sweater	4.48	14	3.45	952	2	5
Swing	3.02	24	2.98	1055	1	4
<i>Table</i>	4.35	198	2.58	718	2	4
<i>Telephone</i>	4.8	76	3.03	392	3	7
Television	4.82	50	3.08	771	4	9
Tennis racket	3.62	—	<b>5.3</b>	815	4	10
<b>Thimble</b>	2.48	<b>1</b>	<b>5.92</b>	<b>1263</b>	2	5
<i>Thumb</i>	4.72	10	2.38	835	1	3
Tie	3.8	23	4.42	761	1	2

Concept	Familiarity	Frequency	Age of acquisition	Naming latency (ms)	# of syllables	# of phonemes
Tiger	<b>2.1</b>	7	3.95	863	2	4
Toaster	4.08	<b>0</b>	4.58	960	2	5
<i>Toe</i>	4.48	9	2.25	896	1	2
Tomato	3.78	4	3.47	<b>1088</b>	3	6
Toothbrush	4.62	6	3	928	2	7
Top	<b>1.88</b>	204	3.95	1045	1	3
Traffic light	4.55	—	—	—	3	9
Train	4.15	82	3.45	871	1	4
<i>Tree</i>	4.68	59	2.58	653	1	3
Truck	4.02	57	3.08	821	1	4
Trumpet	2.6	7	<b>5.39</b>	879	2	7
Turtle	2.4	8	—	—	2	4
Umbrella	3.95	8	3.8	688	3	7
Vase	2.78	4	<b>4.87</b>	999	1	3
Vest	3.48	4	<b>4.93</b>	855	1	4
Violin	2.68	11	<b>5.5</b>	886	3	6
Wagon	2.5	55	3.18	940	2	5
Watch	4.58	81	4.27	783	1	3
Watering can	2.72	—	4.74	<b>1423</b>	4	9
Watermelon	3.05	<b>1</b>	4.08	1009	4	9
Well	<b>1.45</b>	897	—	—	1	3
Wheel	<b>2.22</b>	56	3.25	730	1	3
Whistle	2.45	4	4.68	822	2	4
<b>Windmill</b>	<b>1.8</b>	<b>1</b>	—	—	2	7
Window	4.4	119	3	791	2	5
<b>Wineglass</b>	4.02	<b>0</b>	<b>5.79</b>	949	2	7
<b>Wrench</b>	2.72	<b>0</b>	<b>5.63</b>	<b>1194</b>	1	4
<b>Zebra</b>	<b>1.6</b>	<b>1</b>	—	—	2	5

*Note.* **Bold** = difficult; *italic* = easy.

(B) Descriptive statistics for verbal stimuli.

	Familiarity	Frequency	Age-of-Acquisition	RT
<i>M</i>	3.29	37.86	3.88224	893.232
<i>SD</i>	0.956	88.09	0.9858	191.073
+1 <i>SD</i>	<i>4.246</i>	<i>125.95</i>	<b>4.86805</b>	<b>1084.31</b>
-1 <i>SD</i>	<b>2.334</b>	<b>0, 1</b>	<i>2.89644</i>	<i>702.247</i>

*Note.* RT= reaction time; **bold** = difficult; *italic* = easy.