## **Supplemental Material C**

## List of Target-Present and -Absent Experimental Trials for Each Set Size by Semantic Relatedness Condition

	Target name		Distractor object		
Condition	Present- trials <sup>a</sup>	Absent- trials		Set size 5	Set size 7
			Set size 3	Set size 3	
Related	shark	prawn	crab, squid	dolphin, starfish	oyster, swordfish
Unrelated			shirt, trousers	hat, scarf	shoe, sock
Related	raspberry	banana	pineapple, melon	pear, mango	lemon, avocado
Unrelated			rhinoceros, tiger	giraffe, panda	cheetah, squirrel
Related	bowl	colander	blender, microwave	fridge, sponge	spatula, funnel
Unrelated			skunk, zebra	porcupine, turtle	bear, moose
Related	bed	dresser	mattress, pillow	candle, lamp	couch, fireplace
Unrelated			cauliflower, potato	cucumber, lettuce	cabbage, carrot
Related	basketball	treadmill	baseball, volleyball	skate, football	paddle, skis
Unrelated			harmonica, tambourine	banjo, cymbals	accordion, drum
Related	plunger	drill	screwdriver, hammer	shovel, wrench	wheelbarrow, axe
Unrelated	Franger		necklace, bracelet	bag, wallet	ring, glasses
Related	knee	nose	elbow, leg	foot, shoulder	arm, hand
Unrelated			cello, piano	flute, trombone	saxophone, trumpet
Related	tomato	mushroom	celery, onion	courgette, garlic	aubergine, olive
Unrelated			curtain, globe	bench, mirror	aquarium, painting
Related	violin	harp	cello, piano	flute, trombone	saxophone, trumpet
Unrelated			pineapple, melon	pear, mango	lemon, avocado
Related	owl	chicken	eagle, vulture	duck, pigeon	ostrich, parrot
Unrelated			truck, motorcycle	helicopter, bus	boat, train

	Target name		Distractor object			
Condition	Present- trials	Absent- trials			Set size 7	
			Set size 3	Set size 5		
D -1-4- 1				111-4	-i1	
Related	sunglasses	watch	necklace, bracelet	bag, wallet	ring, glasses	
Unrelated			lipstick, perfume	deodorant, toothbrush	razor, tweezers	
Related	armour	arrow/	cannon, bullet	knife, sword	tank, spear	
Unrelated		shield <sup>b</sup>	mattress, pillow	candle, lamp	couch, fireplace	
Related	comb	soap	lipstick, perfume	deodorant,	razor, tweezers	
Unrelated			screwdriver, hammer	toothbrush shovel, wrench	wheelbarrow, axe	
Related	bee	cockroach	butterfly, ant	dragonfly, spider	ladybird, scorpion	
Unrelated	occ	cockroach	baseball, volleyball	skate, football	paddle, skis	
Related	pen	calculator	crayon, pencil	folder, envelope	notebook, scissors	
Unrelated			plate, spoon	knife, ladle	broom, mop	
Related	balloon	swing	kite, tricycle	doll, skateboard	trampoline, scooter	
Unrelated			elbow, leg	foot, shoulder	arm, hand	
Related	laptop	television	printer, scanner	camera, telephone	hoover, hairdryer	
Unrelated	1 1		belt, jeans	glove, tie	sandal, slipper	
Related	shorts	coat	shirt, trousers	hat, scarf	shoe, sock	
Unrelated			crab, squid	dolphin, starfish	oyster, swordfish	
Related	car	airplane	truck, motorcycle	helicopter, bus	boat, train	
Unrelated			pot, teapot	apron, kettle	mixer, toaster	
Related	elephant	mouse	rhinoceros, tiger	giraffe, panda	cheetah, squirrel	
Unrelated	1		cherries, plum	orange, peach	lime, grapes	
Related	boot	jacket	belt, jeans	glove, tie	sandal, slipper	
Unrelated			eagle, vulture	duck, pigeon	ostrich, parrot	
			· · · · · · · · · · · · · · · · · · ·			

Present trials   Absent trials   Set size 5		Target name		Distractor object			
Related mug tray pot, teapot apron, kettle mixer, toaster butterfly, ant dragonfly, spider ladybird, scorpion cucumber, lettuce cabbage, carrot kite, tricycle doll, skateboard trampoline, scooter lizard, crocodile hyena, monkey fox, lion seagull variable strawberry unrelated cow horse celery, onion courgette, garlic aubergine, olive lizard, crocodile hyena, monkey fox, lion courgette, garlic aubergine, olive lizard, crocodile hyena, monkey fox, lion courgette, garlic aubergine, olive lizard, crocodile hyena, monkey fox, lion courgette, garlic aubergine, olive lizard, crocodile hyena, monkey fox, lion courgette, garlic aubergine, olive lizard, crocodile hyena, monkey fox, lion courgette, garlic aubergine, olive lizard, crocodile hyena, monkey fox, lion courgette, garlic aubergine, olive lizard, crocodile hyena, monkey fox, lion courgette, garlic aubergine, olive lizard, crocodile hyena, monkey fox, lion courgette, garlic aubergine, olive lizard, crocodile hyena, monkey fox, lion printer, scanner camera, telephone hoover, hairdryer Related clock rug curtain, globe bench, mirror aquarium, painting cannon, bullet knife, sword tank, spear skunk, zebra porcupine, turtle bear, moose	Condition					Set size 7	
Related mug tray butterfly, ant dragonfly, spider ladybird, scorpion  Related stool armchair chair, table desk, vase shelf, bookshelf  Unrelated broccoli pumpkin cauliflower, potato cucumber, lettuce cabbage, carrot  Related guitar clarinet harmonica, tambourine lizard, crocodile hyena, monkey fox, lion  Related strawberry apple cow horse celery, onion courgette, garlic aubergine, olive  Related kangaroo rabbit pan crayon, pencil folder, envelope notebook, scissors  Related cow Lurelated range or interest and sear of the pan crayon, pencil folder, mirror aquarium, painting Cannose procupine, turtle bear, moose  Related cow Lurelated ranger or interest and sear of tank, spear ranger shunk, zebra porcupine, turtle bear, moose				S-4-: 2	Set size 5		
Unrelated   Stool   armchair   Chair, table   desk, vase   shelf, bookshelf	D 1 . 1				11	•	
Related stool armchair Chair, table desk, vase shelf, bookshelf  Unrelated broccoli pumpkin Cauliflower, potato cucumber, lettuce cabbage, carrot kite, tricycle doll, skateboard trampoline, scooter doll, skateboard trampoline, scooter delated clarinet lizard, crocodile hyena, monkey fox, lion  Related seagull swan blender, microwave fridge, sponge spatula, funnel delated strawberry apple pig, sheep cat, dog bull, wolf  Related cow horse celery, onion courgette, garlic aubergine, olive lizard, crocodile hyena, monkey fox, lion  Related cow horse celery, onion courgette, garlic aubergine, olive lizard, crocodile hyena, monkey fox, lion  Related cow horse celery, onion courgette, garlic aubergine, olive lizard, crocodile hyena, monkey fox, lion  Related cow horse celery, onion courgette, garlic aubergine, olive lizard, crocodile hyena, monkey fox, lion  Related cow printer, scanner camera, telephone hoover, hairdryer  Related fork pan plate, spoon knife, ladle broom, mop crayon, pencil folder, envelope notebook, scissors  Related clock rug curtain, globe bench, mirror aquarium, painting cannon, bullet knife, sword tank, spear  Related gorilla hippopotamus skunk, zebra porcupine, turtle bear, moose	Related	mug	tray	pot, teapot	apron, kettle	mixer, toaster	
Stool armchair   Flamingo, penguin   peacock, pelican   rooster, turkey	Unrelated			butterfly, ant	dragonfly, spider	ladybird, scorpion	
Related broccoli pumpkin cauliflower, potato cucumber, lettuce cabbage, carrot kite, tricycle doll, skateboard trampoline, scooter guitar clarinet lizard, crocodile hyena, monkey fox, lion  Related seagull swan blender, microwave fridge, sponge spatula, funnel lizard, crocodile pig, sheep cat, dog bull, wolf  Related cow horse celery, onion courgette, garlic aubergine, olive  Related kangaroo Unrelated fork pan fork pan crayon, pencil folder, envelope notebook, scissors  Related clock rug curtain, globe bench, mirror aquarium, painting canling skunk, zebra porcupine, turtle bear, moose	Related	stool	armchair	chair, table	desk, vase	shelf, bookshelf	
Unrelated guitar clarinet kite, tricycle doll, skateboard trampoline, scooter kelated guitar clarinet tambourine lizard, crocodile hyena, monkey fox, lion  Related seagull swan flamingo, penguin peacock, pelican rooster, turkey blender, microwave fridge, sponge spatula, funnel strawberry apple pig, sheep cat, dog bull, wolf cow horse celery, onion courgette, garlic aubergine, olive  Related kangaroo rabbit printer, scanner camera, telephone hoover, hairdryer  Related fork pan curtain, globe bench, mirror aquarium, painting cannon, bullet knife, sword tank, spear skunk, zebra porcupine, turtle bear, moose	Unrelated			flamingo, penguin	peacock, pelican	rooster, turkey	
Related guitar clarinet harmonica, tambourine lizard, crocodile hyena, monkey fox, lion  Related seagull swan flamingo, penguin peacock, pelican rooster, turkey blender, microwave fridge, sponge spatula, funnel cherries, plum orange, peach lime, grapes pig, sheep cat, dog bull, wolf  Related cow horse pig, sheep cat, dog bull, wolf  Related kangaroo rabbit printer, scanner camera, telephone hoover, hairdryer  Related fork pan crayon, pencil folder, envelope notebook, scissors  Related clock rug cannon, bullet knife, sword tank, spear  Related gorilla hippopotamus skunk, zebra procupine, turtle bear, moose	Related	broccoli	pumpkin	cauliflower, potato	cucumber, lettuce	cabbage, carrot	
Unrelated seagull swan flamingo, penguin peacock, pelican rooster, turkey  Unrelated strawberry unrelated strawberry Unrelated pig, sheep cat, dog bull, wolf  Related cow horse pig, sheep cat, dog bull, wolf  Related kangaroo rabbit printer, scanner camera, telephone hoover, hairdryer  Related fork pan clock rug cannon, bullet knife, sword tank, spear  Related gorilla hippopotamus skunk, zebra procupine, turtle bear, moose	Unrelated			kite, tricycle	doll, skateboard	trampoline, scooter	
Related seagull swan blender, microwave fridge, sponge spatula, funnel  Related strawberry apple cherries, plum orange, peach lime, grapes  Unrelated cow horse pig, sheep cat, dog bull, wolf  Related cow horse clery, onion courgette, garlic aubergine, olive  Related kangaroo rabbit printer, scanner camera, telephone hoover, hairdryer  Related fork pan crayon, pencil folder, envelope notebook, scissors  Related clock rug curtain, globe bench, mirror aquarium, painting cannon, bullet knife, sword tank, spear  Related gorilla hippopotamus skunk, zebra porcupine, turtle bear, moose	Related	guitar	clarinet	· ·	banjo, cymbals	accordion, drum	
Seagull swan blender, microwave fridge, sponge spatula, funnel  Related strawberry apple cherries, plum orange, peach lime, grapes  Unrelated cow horse pig, sheep cat, dog bull, wolf  Related cow horse celery, onion courgette, garlic aubergine, olive  Related kangaroo rabbit printer, scanner camera, telephone hoover, hairdryer  Related fork pan crayon, pencil folder, envelope notebook, scissors  Related clock rug curtain, globe bench, mirror aquarium, painting cannon, bullet knife, sword tank, spear  Related gorilla hippopotamus skunk, zebra porcupine, turtle bear, moose	Unrelated			lizard, crocodile	hyena, monkey	fox, lion	
Related strawberry apple pig, sheep cat, dog bull, wolf  Related cow horse pig, sheep cat, dog bull, wolf  Unrelated cow horse celery, onion courgette, garlic aubergine, olive  Related kangaroo rabbit printer, scanner camera, telephone hoover, hairdryer  Related fork pan crayon, pencil folder, envelope notebook, scissors  Related clock rug cannon, bullet knife, sword tank, spear  Related gorilla hippopotamus skunk, zebra procupine, turtle bear, moose	Related	seagull	swan	flamingo, penguin	peacock, pelican	rooster, turkey	
Unrelated pig, sheep cat, dog bull, wolf  Related cow horse pig, sheep cat, dog bull, wolf  Unrelated cow horse celery, onion courgette, garlic aubergine, olive  Related kangaroo rabbit printer, scanner camera, telephone hoover, hairdryer  Related fork pan plate, spoon knife, ladle broom, mop  Unrelated clock rug curtain, globe bench, mirror aquarium, painting  Unrelated gorilla hippopotamus skunk, zebra porcupine, turtle bear, moose	Unrelated			blender, microwave	fridge, sponge	spatula, funnel	
Related cow horse pig, sheep cat, dog bull, wolf  Unrelated cow horse celery, onion courgette, garlic aubergine, olive  Related kangaroo rabbit printer, scanner camera, telephone hoover, hairdryer  Related fork pan plate, spoon knife, ladle broom, mop  Unrelated clock rug curtain, globe bench, mirror aquarium, painting  Unrelated gorilla hippopotamus skunk, zebra porcupine, turtle bear, moose	Related	strawberry	apple	cherries, plum	orange, peach	lime, grapes	
Unrelated cow horse celery, onion courgette, garlic aubergine, olive  Related kangaroo rabbit lizard, crocodile hyena, monkey fox, lion  Unrelated printer, scanner camera, telephone hoover, hairdryer  Related fork pan plate, spoon knife, ladle broom, mop  Unrelated clock rug curtain, globe bench, mirror aquarium, painting  Unrelated gorilla hippopotamus skunk, zebra porcupine, turtle bear, moose	Unrelated			pig, sheep	cat, dog	bull, wolf	
Related kangaroo rabbit lizard, crocodile hyena, monkey fox, lion  Unrelated printer, scanner camera, telephone hoover, hairdryer  Related fork pan  Unrelated clock rug  Unrelated clock rug  Unrelated gorilla hippopotamus  Related gorilla broom, mop  knife, ladle broom, mop  folder, envelope notebook, scissors  aquarium, painting  cannon, bullet knife, sword tank, spear  bear, moose	Related	cow	horse	pig, sheep	cat, dog	bull, wolf	
Unrelated printer, scanner camera, telephone hoover, hairdryer  Related fork pan plate, spoon knife, ladle broom, mop  Unrelated crayon, pencil folder, envelope notebook, scissors  Related clock rug cannon, bullet knife, sword tank, spear  Related gorilla hippopotamus skunk, zebra porcupine, turtle bear, moose	Unrelated			celery, onion	courgette, garlic	aubergine, olive	
Related fork pan plate, spoon knife, ladle broom, mop  Unrelated clock rug cannon, bullet knife, sword tank, spear  Related gorilla hippopotamus skunk, zebra porcupine, turtle bear, moose	Related	kangaroo	rabbit	lizard, crocodile	hyena, monkey	fox, lion	
Unrelated pan crayon, pencil folder, envelope notebook, scissors  Related clock rug curtain, globe bench, mirror aquarium, painting cannon, bullet knife, sword tank, spear  Related gorilla hippopotamus skunk, zebra porcupine, turtle bear, moose	Unrelated			printer, scanner	camera, telephone	hoover, hairdryer	
Unrelated crayon, pencil folder, envelope notebook, scissors  Related clock rug  Unrelated cannon, bullet knife, sword tank, spear  Related gorilla hippopotamus skunk, zebra porcupine, turtle bear, moose	Related	fork	pan	plate, spoon	knife, ladle	broom, mop	
Clock rug  Unrelated cannon, bullet knife, sword tank, spear  Related gorilla hippopotamus skunk, zebra porcupine, turtle bear, moose	Unrelated			crayon, pencil	folder, envelope	notebook, scissors	
Unrelated cannon, bullet knife, sword tank, spear  Related gorilla hippopotamus skunk, zebra porcupine, turtle bear, moose	Related	clock	rug	curtain, globe	bench, mirror	aquarium, painting	
gorilla hippopotamus	Unrelated			cannon, bullet	knife, sword	tank, spear	
	Related	gorilla	hippopotamus	skunk, zebra	porcupine, turtle	bear, moose	
	Unrelated			chair, table	desk, vase	shelf, bookshelf	

Note.

<sup>&</sup>lt;sup>a</sup>The 32 critical objects are listed in the target name column for target-present trials.

<sup>&</sup>lt;sup>b</sup>Shield replaced arrow as target name for target-absent trials in set size 7.