Supplementary Material

Code-Switching Costs from

Chinese-English Relative Clauses Processing

1 Supplementary materials

1.1 Original sentences in Ex1

1. Wo renshi zhege jingchang da wangqiu de jingli，qunian ta shi gongsi wangqiu
I know the often plays tennis AUX manager, last year he is company's tennis

   bisai de diyiming。
   match 's champion

   I know the manager who often plays tennis. He won the first prize in the company's tennis match last year.

2. Wo zhidao zhege congbu ma xiashu de laoban，tade yuangong dou feichang zunjing
I know this never scold employee AUX boss, his employee all very respect

   ta。
   him

   I know a boss who never scolds employees. His employees hold him in high regard.

3. Wo renshi zhege congbu qing fanyi de lingdao，ta hui shuo haoduo guojiade yuyan。
I know the never use interpreter AUX leader, she can speak many country's language
   I know the leader who never uses interpreters. She speaks many languages.

4. Wo zhidao zhege jingchang chang minyao de nanren, ta you henduo fensi。
I know this often sing ballad AUX man, he have many fans
   I know this man who often sings ballads. He has a big group of fans.

5. Wo renshi zhege dasuan xue fayu de xuesheng, ta xiangqu faguo liuxue。
I know this plan to study French AUX student, she want to France study
   I know this student who will study French. She wants to study in France.

6. Wo renshi zhege jingchang ban juhui de qingnian，ta ye jingchang yaoqing wo qu tade
I know this often hold party AUX guy, he too often invite me go to his

   juhui。
   party

   I know this often guy who often holds parties. He often invites me to his parties.

7. Wo renshi zhege zongshi bei chengyu de laowai, ta renwei zhe shi xuexi hanyu de I
know this always recite idiom AUX foreigner, she think it is learn Chinese AUX good

   haofangfa。
   way.

I know this foreigner who always recites idioms. She thinks it is a good way to learn Chinese.

8. Wo renshi zhege jingchang hua ditu de daoyou, tade keren dou xihuan tade shouhui
   I know this often draw map AUX guide, his guest all like his hand-drawn
   ditu。
   map

   I know this guide who often draws maps. His hand-drawn maps are very popular with his guests.

9. Wo renshi zhege zongshi yao shouzhi de nanhai, ta jinzhang de shihou jiuhui
   I know this always bite finger AUX boy, he nervous AUX time will
   zheyang。
   like this

   I know this boy who always bites fingers. He does this when he's nervous.

10. Wo renshi zhege changchang jiao gushi de zhuanjia，ta juede gushi daibiaole zhongguo
    I know this often teach poetry AUX expert, she think poety represent Chinese
    wenhua。
    culture

    I know this expert who often teaches poetry, which she thinks represents culture.

11. Wo zhidao zhege congbu mo xiaomao de gongzhu, ta dui maomao guomin。
    I know this never touch kitten AUX princess, she to cat fur allergic

    I know the princess who never touches kittens. She's allergic to cat fur.

12. Wo zhidao zhege zongshi shou kuaidi de duzhe, ta meizhou douzai wangshang
    I know this always receive delivery AUX reader, he every week always internet
    mai zuixin chu de shu。
    buy lastest publish AUX book

    I know this reader who always receives deliveries. He buys the latest books on the Internet every week.

13. Wo zhidao zhege jingchang juan jiangjin de guanjun, ta meici huojiang dou huiba
    I know this often donate prize AUX champion, he every time win prize all will
    jiangjin juangei minjian zuzhi。
    prize donate folk organization.

    I know this champion who often donates prizes. He always donates all his prizes to a charity organization.

14. Wo renshi zhege dasuan chao hetong de mishu, laoban rang ta xiaban qian jiao
    I know this will copy contract AUX secretary, boss ask her off duty before hand in
    hetong。
    contracts

    I know the secretary who will copy contracts. The boss asks her to give them to him before she leaves.

15. Wo zhidao zhege henshao zuo feiji de nüshi, ta youdian pagao。
    I know this rarely take plane AUX lady, she a little afraid of heights

    I know this lady who rarely takes planes. She is afraid of heights.

16. Wo zhidao zhege jingchang xie wenzhang de   zuojia,   henduo bianji dou xihuan tade
    I   know   this   often   write article AUX author,   many editor all like   his

    wenzhang。
    article

    I know this author who often writes articles. Many editors like his articles.

17. Wo renshi zhege zongshi dai yanjing de   shushu, ta shi wo baba   de pengyou。
    I   know   this always wear glasses AUX uncle,   he is my father AUX friend

    I know this gentleman who always wears glasses. He is a friend of my father's.

18. Wo zhidao zhege jingchang qi   daxiang de guowang, daxiang shi tamen guojia zui
    I   know   this   often   ride eleplant AUX king,   elephants is their country most

    changjian de jiaotonggongju。
    common   AUX transportation

    I know the king who often rides elephants, which is the most common transportation in his
    country.

19. Wo zhidao zhege changchang   fa   lunwen de   jiaoshou, ta qunian   jiu   fabiaole
    I   know   this   often   publish paper AUX professor, she last year ADV published

    shipian   lunwen。
    ten pieces paper

    I know this professor who often publishes papers. She published ten papers last year.

20. Wo renshi zhege zongshi du xiaoshuo de   jizhe，ta shi mama   de   tongshi。
    I   know   this always read novel AUX journalist, he is mother AUX colleague

    I know this journalist who always reads novels. He is my mother's colleague.

21. Wo renshi zhege henshao mai duanku de   zhuli， tade laoban yaoqiu tamen chuan changku
    I   know   this rarely buy shorts AUX assistant, his boss require they wear   pants

    shangban。
    at work

    I know this assistant who rarely buys shorts, because his boss requires him to wear pants at
    work.

22. Wo renshi zhege congbu suan   shouru de   gudong,   ta dui zijide gongsi tebie you
    I   know   this never calculate income AUX shareholder, he to his company very have

    xinxin。
    comfident

    I know this shareholder who never calculates income. He believes in his company.

23. Wo renshi zhege jingchang huan   faxing   de zhuchi, ta hui   genju   jiemu fengge
    I   know   this often   change hairstyle AUX host,   she will depend on show style

    xuanze butong   de   faxing。
    choose different AUX hairstyles

I know this host who often changes hairstyle. She chooses different hairstyles depending on the style of the show.

24. Wo renshi zhege jingchang zuo dangao de chushi, wo jingchang qu tade dianli mai dangao 。

    I know this often bake cake AUX chef, I sometimes go her shop buy

    dangao。
    cake

    I know this chef who often bakes cakes, and I sometimes go to her shop to buy cakes.

25. Wo renshi zhege youshi wan shazi de xiaohai, ta shi wo linju de erzi。

    I know this sometimes play sand AUX kid, he is my neighbor AUX son

    I know this kid who sometimes builds sandcastles. He is my neighbor's son.

26. Wo renshi zhege ou'er kan dianying de nüren, ta geng xihuan ting jingju。

    I know this sometimes see movie AUX woman, she more enjoy listen Opera

    I know a woman who sometimes sees movies. She also enjoys the Peking Opera.

27. Wo renshi zhege changchang xiu diannao de yuangong, xiu diannao shi ta gongzuo

    I know this usually repair computer AUX officer, repair computer is he job

    de yibufen。
    AUX a part

    I knew this officer who usually repairs computers. Repairing computers is a part of his job.

28. Wo renshi zhege jingchang kua duishou de jiaolian, ta yong zhezhong fangfa

    I know this often praise opponent AUX coach, he use this method

    guli zijide duiyuan。
    encourage his player

    I know this coach who often praises opponents. He uses this method to encourage his players.

29. Wo renshi zhege zongshi chao baicai de gongren, ta shebude huaqian mai qitade

    I know this usually cook cabbage AUX worker, he reluctant spend money buy other

    cai。
    vegetables

    I know this worker who usually has cabbage. He is reluctant to spend money on other vegetables.

30. Wo renshi zhege changchang jian jiaozi de geshou, ta mei taiduo shijian zuo qita

    I know this often cook dumpling AUX singer, he doesn't much time cook other

    chide。
    food

    I know a singer who often cooks dumplings. He doesn't have enough time to cook other dishes.

31.　Wo zhidao zhege henshao reng wanju de ying'er, ta shi wo jianguo de
　　 I　know　this　seldom　throw　toy　AUX　baby,　she　is　my　have seen　AUX

　　 zuiguaide　　　ying'er。
　　 most well-behaved　baby

　　 I know this baby who seldom throws toys. She is the most well-behaved baby I have ever seen.

32.　Wo renshi zhege henshao chi jidan de shaonian, ta chi jidan hui laduzi。
　　 I　know　this　seldom　eat　egg　AUX　teenager,　he eat　egg　will have diarrhea

　　 I know this teenager who seldom eats eggs. He will have diarrhea if he eats eggs.

1.2　Original sentences in Ex2

1.　Wo　ting　Xiaotao shuo nage changchang fa lunwen de jiaoshou jinnian you
　　 I　heard from Xiaotao say　the　always　publish paper AUX professor this year again

　　 fabiaole　shipian lunwen，ta tai lihai le。
　　 published ten pieces paper,　he too great AUX

　　 I heard from Jay that the professor who always publishes papers published ten more this year.

2.　Wo　ting　Xiaoyu shuo nage yizhi zu huabi de sheji meiyou guding de
　　 I　heard from Xiaoyu say　that always rent brush AUX designer have no　fixed　AUX

　　 shouru，ta maibuqi haode huabi。
　　 income, she can't afford good brushes.

　　 I heard from Tom that the designer who always rents brushes has no fixed income, and she can't afford good brushes.

3.　Wo　ting　jiejie shuo nage zongshi jiang xiaohua de jieshuo canjiale jintian de
　　 I　heard from sister say　that always　tell　joke　AUX commentator joined today AUX

　　 zhibo，tade zhibo yiding hen youyisi。
　　 live,　his　show　must　very interesting.

　　 I heard from my sister that the commentator who always tells jokes will give a live show. His show must be interesting.

4.　Wo ting　Tiantian shuo nage congbu suan shouru de gudong pochanle，ta dui
　　 I heard from Tiantian say　that　never　calculate income AUX shareholder bankrupt,　he to

　　 gongsi taiguo zixin le。
　　 company too　confident AUX

　　 I heard from Lucy that the shareholder who never calculates income went bankrupt. He was too confident.

5.　Wo　ting　bianji shuo nage jingchang xie wenzhang de zuojia shoudaole haoduo duzhe
　　 I heard from editor say that　often　write article AUX author received　many　reader

　　 laixin，tade wenzhang tai huo le。
　　 letters,　his　article　too popular AUX

　　 I heard from the editor that the author who often writes articles receives many letters from readers.

6. Wo   ting   Xiao'ai shuo nage congbu yong   rili   de   zhuxi   you wangji kaihui
   I heard from Xiao'ai say   that   never check calender AUX president again forget   meeting

   le，   henduo ren   dou jianyi ta   yong   rili   tixing。
   AUX, manyo people all suggest him use calender reminder

   I heard from Mary that the president who never checks calendars forgot the meeting. He needs someone to remind him.

7. Wo   ting   Longlong shuo nage yizhi   yang xiaogou de   a'yi   you yangle yizhi
   I heard from Longlong say   that always raise puppy AUX woman again raised one

   xiaomao， ta tebie xihuan xiaodongwu。
   kitten,   she very like   pet

   I heard from John that the woman who always raises puppies raised a kitten. She likes pets very much.

8. Wo   ting   Xiaomei shuo nage changchang bei chengyu de   laowai yijing   biyele，
   I heard from Xiaomei say   that   always   recite idiom AUX foreigner already graduated,

   guaibude   henjiu   mei jiandao ta   le。
   no wonder long time not   see   him AUX

   I heard from Lucy that the foreigner who always recites idioms has graduated. No wonder I haven't seen him recently.

9. Wo   ting   Weiwei shuo nage jingchang da wangqiu de   jingli   you dele diyiming，
   I heard from Weiwei say   that   often   play tennis AUX manager again won first prize,

   ta qunian   jiushi diyiming。
   he last year   is   first prize

   I heard from Lily that the manager who often plays tennis got the first prize again, as he did last year.

10. Wo   ting   Xiaoli shuo nage congbu ma   xiashu   de laoban cizhile，tade yuangong
    I heard from Xiaoli say   that never scold employee AUX boss resigned, his   employee

    dou feichang shebude ta。
    all   very   miss   him

    I heard from Mary that the boss who never scolded employees resigned. His employees missed him.

11. Wo   ting   Xiaoxiao shuo nage zongshi yao shouzhi de ying'er qu kan yisheng le，   ta
    I heard from Xiaoxiao say   that always bite finger AUX baby   go see doctor AUX, his

    fumu juede ta keneng queshao yingyang。
    parents think he may   lack   nutrition

    I heard from Helen that the baby who always bites fingers went to the hospital. His parents think he may lack nutrition.

12. Wo   ting   Xixi shuo nage jingchang kan huaju de qingnian kaoshangle huajuyuan，ta
    I heard from Xixi say   that   often   see opera AUX guy   enrolled in   theatre,   he

hui chengwei yiming youxiude yanyuan。
will be a good actor

I heard from Lin that the guy who often sees movies was enrolled in a theatre. He will be a good actor.

13. Wo   ting   Dawei shuo nage jingchang jie   yusan   de   guke conglaibu kan
    I heard from Dawei say that always borrow umbrella AUX customer never   watch

    tianqiyubao， meici xiayu ta doubu dai   san。
    weather report, every time rain he never bring umbrella

I heard from Tommy that the customer who always borrows umbrellas never watches the weather report.

14. Wo   ting   Danan shuo nage jingchang song liwu   de   caifeng   he nanpengyou
    I heard from Danan say that always   give present AUX dressmaker with boyfriend

    fenshoule， ta yiding tebie shangxin。
    broke up,   she must very sad

I heard from Lay that the dressmaker who always gave presents broke up with her boyfriend. She must be very sad.

15. Wo   ting   Meimei shuo nage jingchang chang minyao de nanren bei fensi
    I heard from Meimei say that often   sing ballad AUX man AUX fans

    tuantuanweizhu，ta you henduo fensi。
    surrounded,   he have a lot of fans

I heard from Lisa that the man who often sings ballads is surrounded by fans. He has a lot of fans.

16. Wo   ting   Xixi shuo nage jingchang chou xiangyan de xiaotou bei zhuaqilaile，ta
    I heard from Xixi say that often   smoke cigarette AUX thief AUX was arrested, he

    zai   maiyan   de shihou bei faxianle。
    AUX buy cigarette AUX time AUX found

I heard from Amy that the thief who often smoked cigarettes was arrested. He was caught when buying cigarettes.

17. Wo   ting   bianji shuo nage jingchang du xiaoshuo de   jizhe   beikaichule，ta zai
    I heard from editor say that always read novel AUX journalist was fired,   he at

    gongzuozhong fanle taiduo cuowu。
    in work   made much mistake

I heard from Helen that the journalist who always read novels was fired. He made too many mistakes.

18. Wo   ting   Meimei shuo nage congbu chi jidan de shaonian shengbingle，yisheng rang
    I heard from Meimei say that never eat egg AUX teenager   was sick,   doctor ask

    ta   duo hedian niunai。
    him more drink milk

I heard from Tina that the teenager who never ate eggs was sick. The doctor told him to drink more milk.

19. Wo   ting   Xiaoxiao shuo nage zongshi si   keben   de nanhai zheci kaoshi you
    I heard from Xiaoxiao say that always tear textbook AUX boy   this time exam again

bujige，ta xuexi tebie bu yongxin。
fail,   he study very not hard

I heard from Vicky that the boy who always tore textbooks failed the exam again. He didn't study hard.

20. Wo   ting   laoban shuo nage jingchang jie   dianhua de   zhuli   cizhile，ta bu
    I heard from boss   say that   often answer phone AUX secretary resigned, she didn't

xihuan zheme wuliaode gongzuo。
like   such   boring   work

I heard from the boss that the secretary who often answered phones resigned. She didn't like such boring work.

21. Wo   ting   Xiaomei shuo nage jingchang hua ditu   de daoyou dang laoban le， ta
    I heard from Xiaomei say that   often   draw map AUX guide become boss AUX, he

xianzai zhuyao mai ziji hua   de   ditu。
now   mainly sell self draw AUX map

I heard from Ann that the guide who often draws maps became a boss. Now he sells the maps he draws.

22．Wo   ting   Xiaowei shuo nage jingchang jiao gushi   de zhuanjia yao tuixiu   le，wo
    I heard from Xiaowei say that   often   teach poetry AUX expert   will retire AUX, I

dasuan zai quting yici tade ke。
plan to again attend once her class

I heard from James that the expert who often teaches poetry is retiring. I want to attend her class again.

23. Wo   ting   baba shuo nage zongshi dai yanjing   de   shushu   xiazhou yao lai
    I heard from father say that always wear glasses AUX gentleman next week will come

wojia，   he women   yiqi   chifan。
my house, with us   together have dinner

I heard from my father that the gentleman who always wears glasses plans to come to my house next week.

24. Wo   ting   Dazhuang shuo nage henshao zuo feiji   de nüshi zuo huoche qu faguo
    I heard from Dazhuang say that rarely take plane AUX lady take train   go to France

le，   ta zhende feichang   konggao。
AUX, she really   very   afraid of heights

I heard from Roy that the lady who rarely takes planes went to France by train. She is afraid of heights.

25. Wo   ting   Xiaobo shuo nage congbu qing   fanyi   de lingdao hui shuo henduo guojia
   I heard from Xiaobo say   that   never use interpreter AUX leader can speak many country

de   yuyan，ta zhen lihai。
AUX language, he too great

I heard from Jorge that this leader who never uses interpreters speaks many different languages.

26. Wo   ting   Dali shuo nage dasuan xue fayu   de xuesheng baole wanshang de
   I heard from Dali say that   plan to study French AUX student signed up evening AUX

ke，   ta xue fayu shiweile qu   liuxue。
class, she study French is for   go to study abroad

I heard from Tom that the student who will study French signed up for the evening class. She studies for studying abroad.

27. Wo   ting   Lulu shuo nage jingchang juan jiangjin de   guanjun   zheci   you   ba
   I heard from Lulu say that   often   donate prizes AUX champion this time again AUX

jiangjin juangeile cishan   jigou。
reward   donated charty organization

I heard from Nancy that the champion who often donated prizes won a national reward and donated it again.

28. Wo   ting   Lingling shuo nage changchang xiu   diannao de yuangong huan gongzuo
   I heard from Lingling say that   usually reapair computer AUX officer change job

le，   ta qule yijia diannao gongsi。
AUX, he went a   computer company

I heard from Wendy that the officer who usually repairs computers changed his job and went to a computer company.

29. Wo   ting   duiyuan shuo nage jingchang kua duishou   de jiaolian likai duiwu le，
   I heard from player say that   always praise opponent AUX coach leave team AUX,

xinde jiaolian haimei   shangren。
new   coach hasn't been appointed.

I heard from the players that the coach who always praised opponents left the team. The new coach hasn't been appointed.

30. Wo   ting   Tingting shuo nage jingchang jian jiaozi   de bao'an qu   chaoshi
   I heard from Tingting say that   often   fry dumpling AUX guard go to supermarket

le，   chaoshi   de   jiaozi zai dazhe。
AUX, supermarket AUX dumpling is on sale

I heard from Rose that the guard who often fried dumplings went to the supermarket, where the dumplings were on sale.

31. Wo   ting   Xiaopeng shuo nage changchang zhu yumi de   linju   banjiale，ta
   I heard from Xiaopeng say that   always   boil corn AUX neighbor moved away, she

zhiqian song yumi gei women chi。
before give corn to   us   eat

I heard from Allen that the neighbor who always boiled corns moved away. She used to give us corn to eat.

32. Wo   ting   Xiaowen shuo nage zongshi ban guizi   de gongren hui   laojia   le，
     I heard from Xiaowen say that   always move cabinet AUX worker back hometown AUX,

tade muqin shengbing le。
his mother   ill   AUX

I heard from Wendy that the worker who always moves cabinets has gone back to his hometown. His mother is ill.

2   Supplementary Figures and Tables

2.1   Supplementary Figures in ex1

Supplementary Figure 1: linear mixed model results in det area

	Fixed effects				**Random effects**		
	Estimated SD	**Error**	*t*	*p*		**variation**	**error**
Intercept	5.88	0.06	103.87		**Item**	0.00	0.03
Lan	0.07	0.03	2.24	0.025*	**Subject**	0.07	0.26
Con	-0.02	0.03	-0.75	0.457			
Lan * con	0.03	0.04	0.61	0.541			

Note: Lan-language, con-consistency;
        The model is log(rt)~lan + con + lan:con + (1|subject)+(1|item).

Supplementary Figure 2: linear mixed model results in V area

	Fixed effects				**Random effects**		
	Estimated SD	**Error**	*t*	*p*		**variation**	**error**
Intercept	5.96	0.06	99.86		**Item**	0.00	0.04
Lan	0.02	0.03	7.43	0.000***	**Subject**	0.08	0.28
Con	-0.05	0.03	-1.55	0.121			
Lan * con	0.03	0.05	0.70	0.484			

Note: Lan-language, con-consistency;
        The model is log(rt)~lan + con + lan:con + (1|subject)+(1|item).

Supplementary Figure 3: linear mixed model results in Inner N area

	Fixed effects				**Random effects**		
	Estimated SD	**Error**	*t*	*p*		**variation**	**error**
Intercept	6.21	0.08	79.39		**Item**	0.00	0.06
Lan	0.01	0.04	2.58	0.010**	**Subject**	0.13	0.36
Con	0.02	0.04	0.66	0.510			
Lan * con	-0.01	0.06	-2.44	0.015*			

Note: Lan-language, con-consistency;
        The model is log(rt)~lan + con + lan:con + (1|subject)+(1|item).

Supplementary Figure 4: linear mixed model results in Outer N area

	Fixed effects					Random effects	
	Estimated SD	Error	*t*	*p*		variation	error
Intercept	6.06	0.07	92.34		**Item**	0.00	0.00
Lan	0.08	0.04	2.36	0.019*	**Subject**	0.10	0.31
Con	-0.06	0.03	-1.71	0.088⁻			
Lan * con	-0.10	0.05	2.07	0.039*			

Note: Lan-language, con-consistency;
    The model is log(rt)~lan + con + lan:con + (1|subject)+(1|item).

2.2 Supplementary Figures in ex2

Supplementary Figure 5: linear mixed model results in Det area

	Fixed effects					Random effects	
	Estimated SD	Error	*t*	*p*		variation	error
Intercept	6.06	0.07	92.34		**Item**	0.00	0.03
Lan	0.08	0.04	2.36	0.019*	**Subject**	0.09	0.30
Con	-0.06	0.03	-1.71	0.088⁻			
Back	-0.08	0.11	-0.76	0.449			
Lan * Con	0.09	0.05	1.93	0.054⁻			
Lan* Back	-0.08	0.05	-1.55	0.122			
Con * Back	0.02	0.05	0.31	0.756			
Lan*Con*Back	-0.09	0.07	-1.28	0.202			

Note: Lan-language, con-consistency, Back-language background;
    The model is log(rt)~lan + con + back + lan:con + lan:back + back:con+ lan:back:con + (1|subject)+(1|item).

Supplementary Figure 6: linear mixed model results in V area

	Fixed effects					Random effects	
	Estimated SD	Error	*t*	*p*		variation	error
Intercept	5.91	0.07	84.94		**Item**	0.00	0.04
Lan	0.21	0.04	5.58	0.000***	**Subject**	0.09	0.29
Con	0.05	0.04	1.39	0.166			
Back	-0.04	0.11	-0.41	0.680			
Lan * Con	-0.02	0.05	-0.35	0.726			
Lan* Back	-0.27	0.06	-4.78	0.000***			
Con * Back	-0.08	0.06	-1.43	0.153			
Lan*Con*Back	0.04	0.06	0.45	0.650			

Note: Lan-language, con-consistency, Back-language background;
    The model is log(rt)~lan + con + back + lan:con + lan:back + back:con+ lan:back:con + (1|subject)+(1|item).

Supplementary Figure 7: linear mixed model results in Inner N area

	Fixed effects					Random effects	
	Estimated SD	Error	*t*	*p*		variation	error
Intercept	6.19	0.09	71.87		**Item**	0.00	0.05

	Estimated SD	Error	t	p		variation	error
Lan	0.04	0.05	0.99	0.321	Subject	0.13	0.36
Con	0.00	0.05	0.11	0.910			
Back	-0.19	0.13	-1.47	0.141			
Lan * Con	0.07	0.06	1.16	0.246			
Lan* Back	-0.08	0.07	-1.13	0.260			
Con * Back	-0.01	0.07	-0.18	0.854			
Lan*Con*Back	0.05	0.10	0.52	0.604			

Note: Lan-language, con-consistency, Back-language background;
The model is log(rt)~lan + con + back + lan:con + lan:back + back:con+ lan:back:con + (1|subject)+(1|item).

Supplementary Figure 8: linear mixed model results in Outer N area

	Fixed effects					Random effects	
	Estimated SD	Error	t	p		variation	error
Intercept	5.96	0.08	73.98		Item	0.01	0.08
Lan	0.20	0.04	4.71	0.000***	Subject	0.11	0.34
Con	-0.07	0.04	-1.67	0.096-			
Back	-0.02	0.12	-0.14	0.886			
Lan * Con	0.12	0.06	2.00	0.046*			
Lan* Back	-0.29	0.06	-4.67	0.000***			
Con * Back	0.04	0.06	0.70	0.487			
Lan*Con*Back	0.03	0.09	0.31	0.758			

Note: Lan-language, con-consistency, Back-language background;
The model is log(rt)~lan + con + back + lan:con + lan:back + back:con+ lan:back:con + (1|subject)+(1|item).

Supplementary Figure 9: linear mixed model results in the whole RC area

	Fixed effects					Random effects	
	Estimated SD	Error	t	p		variation	error
Intercept	7.50	0.09	84.26		Item	0.00	0.06
Lan	0.19	0.04	5.35	0.000***	Subject	0.15	0.39
Con	0.00	0.03	0.13	0.894			
Back	0.14	0.13	1.06	0.288			
Lan * Con	0.08	0.05	1.56	0.119			
Lan* Back	-0.28	0.05	-5.15	0.000***			
Con * Back	-0.00	0.05	-0.08	0.935			
Lan*Con*Back	0.02	0.08	0.27	0.786			

Note: Lan-language, con-consistency, Back-language background;
The model is log(rt)~lan + con + back + lan:con + lan:back + back:con+ lan:back:con + (1|subject)+(1|item).