The supplementary file includes two tables and the syntax of the R models (i.e., Appendix S1). Table S1 presents the results of the flanker task, while Table S2 presents the outcome of the linear mixed-effects model examining the switching costs and language dominance effect. (file type: pdf, file size: 168KB)

Table S1. *Mean reaction times (RT, ms, standard deviations) and accuracy (%) (standard deviations) in the flanker task.*

| | RT | Accuracy |
|---|---|---|
| Congruent | 438 (72) | 99 (.09) |
| Incongruent | 483 (75) | 97 (.18) |
| **Conflict effect** | **45 (20)** | **-2 (.09)** |
| **Global performance** | **460 (46)** | - |

Table S2. *Outcome of the linear mixed-effects model examining the switching costs and language dominance effect in the self-paced reading task.*

| Fixed effects | | | | |
|---|---|---|---|---|
| Predictor | Estimate | SE | \|t\| | 95% CI |
| *Intercept* | 6.261 | .043 | 144.24*** | [6.174, 6.349] |
| Block type | -.214 | .028 | 7.65*** | [-.270, -.157] |
| Language | .365 | .047 | 7.71*** | [.270, .460] |
| Trial type | -.113 | .035 | 3.20** | [-.185, .042] |
| Block type × Language | .007 | .041 | .17 | [-.076, .090] |
| Block type × Trial type | .045 | .027 | 1.69† | [-.007, .098] |
| Language × Trial type | .316 | .071 | 4.45*** | [.172, .459] |
| Block type × Language × Trial type | -.137 | .054 | 2.54* | [-.243, -.031] |

Note. † $p < .1$; * $p < .05$; ** $p < .01$; *** $p < .001$.

*Appendix S1.*

*The syntax of the R models*

For all models reported in the study:

AoL.c=centered age of learning English;

L2 proficiency.c=centered OPT score;

Daily switch.c=centered frequency of code-switching in daily lives.

The syntax of the linear mixed-effects model examining the switching costs and language dominance effect in the self-paced reading task:

Formula: logRT ~ Block type * Language *Trial type + AoL.c + L2 proficiency.c + Daily switch.c +(1 + Language + Block type | Subject) + (1 + Trial type + Block type | Item).

The syntax of the linear mixed-effects models examining the switch costs and language dominance effect for the alternation and dense CS mixed blocks, and L1 and L2:

When the baseline was alternation mixed block L1, the model was: logRT ~ Block type * Language * Trial type + AoL.c + L2 proficiency.c + Daily switch.c + (1 + Block type | Subject) + (1 + Trial type + Block type | Item);

When the baseline was alternation mixed block L2, the model was: logRT ~ Block type * Language * Trial type + AoL.c + L2 proficiency.c + Daily switch.c + (1 + Language

+ Trial type | Subject) + (1 + Language + Trial type + Block type | Item);

When the baseline was dense CS mixed block L1, the model was: logRT ~ Block type * Language * Trial type + AoL.c + L2 proficiency.c + Daily switch.c + (1 + Language + Block type | Subject) + (1 + Trial type + Block type | Item);

When the baseline was dense CS mixed block L2, the model was: logRT ~ Block type * Language * Trial type + AoL.c + L2 proficiency.c + Daily switch.c + (1 + Language + Block type | Subject) + (1 + Trial type + Block type | Item).

The syntax of the linear mixed-effects model examining the correlations between cognitive control measures and language control measures in alternation mixed block:

When the baseline was L1, the conflict effect model was: logRT ~ Conflict effect*Language*Trial type + AoL.c + L2 proficiency.c + Daily switch.c + (1 | Subject) + (Language + Trial type | Item);

When the baseline was L2, the conflict effect model was: logRT ~ Conflict effect * Language * Trialtype + AoL.c + L2 proficiency.c + Daily switch.c + (1 + Language | Subject) + (1 + Trial type | Item);

When the baseline was L1, the global RTs model was: logRT ~ Global RTs * Language * Trial type + AoL.c + L2 proficiency.c + Daily switch.c + (1 + Language + Trial type | Subject) + (1 + Trial type | Item);

When the baseline was L1, the global RTs model was: logRT ~ Global RTs * Language * Trial type + AoL.c + L2 proficiency.c + Daily switch.c + (1 + Language + Trial type | Subject) + (1 + Trial type | Item).

The syntax of the linear mixed-effects model examining the correlations between cognitive control measures and language control measures in dense CS mixed block:

When the baseline was L1, the conflict effect model was: logRT ~ Conflict effect * Language * Trial type + AoL.c + L2 proficiency.c + Daily switch.c + (1 + Language | Subject) + (1 + Trial type | Item);

When the baseline was L2, the conflict effect model was: logRT ~ Conflict effect * Language * Trial type + AoL.c + L2 proficiency.c + Daily switch.c + (1 + Language | Subject) + (1 + Language + Trial type | Item);

When the baseline was L1, the global RTs model was: logRT ~ Conflict effect * Language * Trial type + AoL.c + L2 proficiency.c + Daily switch.c + (1 | Subject) + (1 + Trial type | Item);

When the baseline was L2, the global RTs model was: logRT ~ Conflict effect * Language * Trial type + AoL.c + L2 proficiency.c + Daily switch.c + (1 | Subject) + (1 + Trial type | Item).