To make sure that the EEG effects were not driven by motor responses, the relationship between the ERP response to regularity/consistency and motor responses was tested across the bilingual groups. The effect of regularity/consistency over the P200 was not correlated with the effect of regularity/consistency on response latencies, *r*(38) = 0.14, *p* = 0.385, nor with the average overall response latencies to the experimental items, *r*(38) = -0.12, *p* = 0.47. The effect of regularity/consistency over the N400 was also not correlated with the effect of regularity/consistency on response latencies, *r*(38) = -0.12, *p* = 0.385, nor with the average overall response latencies to the experimental items, *r*(38) = -0.11, *p* = 0.45. There was also no relationship between the P200 response and Sight Word Efficiency scores, *r*(38) = 0.05, *p* = 0.751, or between the N400 response and Sight Word Efficiency scores, *r*(38) = -0.02, *p* = 0.90. The analyses do not hint toward a relationship between the ERP response to regularity/consistency and motor responses.