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## A comparison of personality in the common and Bolivian Squirrel Monkey (*Saimiri sciureus* and *Saimiri boliviensis*)

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Table S1

*Interrater Reliabilities for Items in Bolivian and Common Squirrel Monkeys and in Saimiri*

Items	Bolivian		Common		Saimiri	
	ICC(3,1)	ICC(3,k)	ICC(3,1)	ICC(3,k)	ICC(3,1)	ICC(3,k)
Active	0.53	0.78	0.40	0.64	0.49	0.74
Affectionate	0.20	0.45	0.42	0.67	0.27	0.53
Aggressive	0.35	0.63	0.18	0.38	0.28	0.54
Anxious	0.25	0.51	0.28	0.52	0.26	0.51
Autistic	0.35	0.64	0.58	0.79	0.46	0.72
Bullying	0.28	0.56	0.22	0.43	0.26	0.51
Cautious	0.22	0.48	0.45	0.69	0.34	0.61
Clumsy	0.09	0.23	0.22	0.44	0.11	0.27
Conventional	0.02	0.06	0.00	0.01	0.01	0.02
Cool	0.44	0.72	0.30	0.54	0.40	0.66
Curious	0.15	0.35	0.23	0.45	0.16	0.36
Decisive	0.26	0.53	0.17	0.37	0.23	0.47
Defiant	0.50	0.76	0.31	0.56	0.44	0.70
Dependent-Follower	0.23	0.50	0.43	0.67	0.28	0.53
Depressed	0.15	0.37	0.29	0.53	0.19	0.41
Disorganized	0.06	0.17	0.03	0.08	0.04	0.12
Distractible	0.15	0.37	0.12	0.27	0.13	0.32
Dominant	0.43	0.71	0.27	0.51	0.37	0.63
Erratic	0.07	0.19	0.19	0.40	0.13	0.30
Excitable	0.17	0.40	0.28	0.52	0.20	0.42
Fearful	0.19	0.43	0.20	0.42	0.19	0.42
Friendly	0.05	0.15	0.11	0.25	0.07	0.18
Gentle	0.26	0.53	0.11	0.25	0.21	0.44
Helpful	0.27	0.54	0.23	0.46	0.25	0.50
Imitative	0.04	0.12	0.30	0.54	0.16	0.35
Impulsive	0.16	0.37	0.34	0.59	0.20	0.42
Independent	0.35	0.63	0.26	0.50	0.32	0.58
Individualistic	0.12	0.30	0.33	0.58	0.22	0.46
Innovative	0.16	0.37	0.17	0.37	0.17	0.37
Inquisitive	0.25	0.52	-0.04	-0.11	0.15	0.35
Intelligent	0.19	0.42	0.30	0.54	0.21	0.44
Inventive	0.28	0.55	0.34	0.59	0.29	0.55
Irritable	0.28	0.55	-0.10	-0.32	0.15	0.34
Jealous	0.17	0.40	0.15	0.33	0.16	0.36
Lazy	0.43	0.71	0.11	0.25	0.36	0.63
Manipulative	0.31	0.59	0.27	0.50	0.29	0.55
Persistent	0.29	0.57	0.08	0.18	0.20	0.43
Playful	0.27	0.54	0.29	0.54	0.27	0.53
Predictable	0.10	0.25	0.19	0.39	0.12	0.30
Protective	0.08	0.22	0.27	0.51	0.14	0.32

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Quitting	0.01	0.04	0.11	0.26	0.05	0.14
Reckless	0.29	0.56	0.18	0.37	0.24	0.48
Sensitive	0.17	0.39	0.03	0.08	0.10	0.26
Sociable	0.15	0.36	0.20	0.40	0.16	0.36
Solitary	0.37	0.65	0.44	0.69	0.39	0.65
Stable	0.17	0.39	0.06	0.15	0.13	0.31
Stingy-Greedy	0.37	0.65	0.40	0.65	0.39	0.66
Submissive	0.50	0.76	0.22	0.44	0.39	0.66
Sympathetic	0.25	0.51	0.36	0.60	0.28	0.54
Thoughtless	0.43	0.71	0.15	0.32	0.30	0.56
Timid	0.36	0.65	0.29	0.53	0.33	0.60
Unemotional	0.21	0.46	0.20	0.41	0.20	0.42
Unperceptive	-0.03	-0.12	-0.03	-0.07	-0.04	-0.13
Vulnerable	0.40	0.68	0.34	0.58	0.37	0.64

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Table S2

*PCA-Derived Item Loadings for Common Squirrel Monkeys with Five Components*

	PC1	PC2	PC3	PC4	PC5	h2
Impulsive	<b>0.83</b>	0.08	0.09	-0.10	-0.10	0.72
Excitable	<b>0.80</b>	0.12	0.04	0.04	-0.10	0.67
Reckless	<b>0.79</b>	-0.19	-0.22	0.13	-0.07	0.72
Curious	<b>0.78</b>	-0.25	0.22	0.27	-0.17	0.82
Playful	<b>0.76</b>	-0.10	0.18	0.03	-0.25	0.68
Erratic	<b>0.75</b>	0.33	-0.19	0.04	0.22	0.76
Predictable	<b>-0.72</b>	0.15	0.22	0.33	0.11	0.72
Inventive	<b>0.71</b>	-0.07	0.32	0.20	-0.12	0.67
Active	<b>0.69</b>	-0.16	0.29	-0.18	<b>-0.40</b>	0.78
Defiant	<b>0.65</b>	0.14	0.10	0.07	0.16	0.48
Stingy-Greedy	<b>0.65</b>	-0.08	-0.19	0.25	0.18	0.56
Innovative	<b>0.64</b>	-0.10	0.33	0.13	-0.15	0.57
Jealous	<b>0.64</b>	0.06	<b>-0.54</b>	0.14	0.21	0.76
Distractable	<b>0.61</b>	0.12	0.10	0.19	0.25	0.50
Aggressive	<b>0.61</b>	-0.21	<b>-0.43</b>	0.06	0.35	0.73
Bullying	<b>0.61</b>	0.07	<b>-0.48</b>	-0.05	0.39	0.75
Cool	<b>-0.54</b>	0.09	0.20	0.33	0.27	0.52
Imitative	<b>0.54</b>	0.12	0.18	-0.12	0.38	0.49
Anxious	0.11	<b>0.85</b>	-0.18	-0.06	0.07	0.78
Depressed	-0.18	<b>0.82</b>	0.00	0.06	0.28	0.78
Disorganized	0.15	<b>0.79</b>	-0.15	0.13	-0.02	0.69
Timid	-0.26	<b>0.76</b>	0.02	<b>-0.40</b>	0.06	0.81
Autistic	0.18	<b>0.72</b>	0.09	0.02	0.17	0.58
Clumsy	0.05	<b>0.70</b>	-0.04	0.26	0.37	0.70
Fearful	0.02	<b>0.70</b>	-0.13	<b>-0.44</b>	-0.09	0.70
Solitary	-0.28	<b>0.69</b>	-0.12	0.21	0.39	0.77
Cautious	-0.21	<b>0.60</b>	0.02	-0.30	0.07	0.50
Vulnerable	0.17	<b>0.59</b>	0.25	-0.36	0.10	0.58
Sociable	0.28	<b>-0.57</b>	0.30	0.09	0.28	0.58
Thoughtless	<b>0.40</b>	<b>0.53</b>	-0.04	0.38	0.00	0.58
Dependent-Follower	0.02	<b>0.44</b>	0.09	-0.07	-0.08	0.21
Friendly	0.20	-0.03	<b>0.85</b>	-0.24	0.06	0.82
Helpful	0.23	0.00	<b>0.79</b>	0.13	-0.02	0.69
Gentle	-0.33	-0.05	<b>0.78</b>	-0.14	0.02	0.73
Sympathetic	-0.08	-0.13	<b>0.77</b>	0.04	0.12	0.63
Affectionate	0.30	-0.11	<b>0.72</b>	0.01	0.00	0.63
Sensitive	-0.01	<b>0.41</b>	<b>0.67</b>	0.16	0.21	0.69
Decisive	0.19	-0.12	0.05	<b>0.86</b>	-0.03	0.80
Independent	-0.09	-0.34	-0.17	<b>0.81</b>	-0.03	0.80
Intelligent	0.01	0.24	0.34	<b>0.70</b>	-0.03	0.67

Submissive	-0.01	<b>0.52</b>	<b>0.49</b>	<b>-0.54</b>	0.22	0.85
Dominant	0.25	<b>-0.49</b>	<b>-0.42</b>	<b>0.50</b>	0.20	0.77
Persistent	<b>0.43</b>	-0.32	-0.19	<b>0.46</b>	0.08	0.55
Individualistic	0.19	0.27	-0.16	0.38	-0.36	0.41
Unemotional	0.09	0.08	0.01	-0.13	<b>0.76</b>	0.62
Conventional	-0.14	0.30	0.06	-0.10	<b>0.73</b>	0.65
Lazy	-0.22	0.36	-0.06	0.25	<b>0.68</b>	0.70
Stable	0.08	-0.32	0.15	0.21	<b>0.58</b>	0.51
Quitting	-0.08	0.38	0.06	-0.33	<b>0.52</b>	0.53
Manipulative	<b>0.49</b>	0.20	-0.06	-0.19	<b>0.50</b>	0.57
Protective	0.02	-0.30	0.38	0.11	<b>0.40</b>	0.41

*Note.*  $h^2$  = Communalities. Item loadings  $\geq |0.4|$  are in boldface.

Table S3

*REFA-derived Item Loadings for Common Squirrel Monkey Factors*

	Opn*	Neu	Agr*	Ast*	h <sup>2</sup>
Impulsive	<b>-0.81</b>	-0.10	-0.09	0.12	0.69
Excitable	<b>-0.79</b>	-0.02	-0.03	0.04	0.63
Erratic	<b>-0.76</b>	0.32	0.18	0.08	0.72
Reckless	<b>-0.76</b>	-0.18	0.18	-0.23	0.69
Playful	<b>-0.72</b>	-0.26	-0.18	-0.03	0.62
Predictable	<b>0.69</b>	0.31	-0.19	-0.12	0.62
Inventive	<b>-0.69</b>	-0.11	-0.31	-0.15	0.60
Defiant	<b>-0.65</b>	0.17	-0.11	-0.02	0.46
Stingy-Greedy	<b>-0.64</b>	0.09	0.14	-0.31	0.53
Innovative	<b>-0.61</b>	-0.16	-0.32	-0.11	0.52
Distractible	<b>-0.61</b>	0.26	-0.13	-0.14	0.47
Bullying	<b>-0.61</b>	0.24	<b>0.41</b>	-0.08	0.60
Aggressive	<b>-0.59</b>	0.06	0.34	-0.31	0.57
Imitative	<b>-0.53</b>	0.25	-0.22	0.05	0.39
Cool	<b>0.51</b>	0.36	-0.19	-0.22	0.48
Manipulative	<b>-0.50</b>	0.36	0.02	0.11	0.39
Individualistic	-0.21	0.05	0.21	-0.04	0.09
Solitary	0.21	<b>0.78</b>	0.14	0.17	0.71
Clumsy	-0.12	<b>0.77</b>	0.07	0.13	0.63
Lazy	0.17	<b>0.75</b>	0.03	-0.13	0.61
Depressed	0.11	<b>0.74</b>	0.05	0.38	0.71
Conventional	0.11	<b>0.64</b>	-0.09	0.07	0.43
Autistic	-0.23	<b>0.58</b>	-0.04	0.37	0.52
Disorganized	-0.21	<b>0.54</b>	0.21	0.37	0.51
Unemotional	-0.10	<b>0.49</b>	-0.08	-0.04	0.26
Quitting	0.05	<b>0.49</b>	-0.07	0.34	0.36
Thoughtless	<b>-0.43</b>	<b>0.44</b>	0.08	0.03	0.39
Intelligent	-0.03	0.35	-0.30	-0.32	0.32
Friendly	-0.17	-0.07	<b>-0.82</b>	0.20	0.75
Helpful	-0.21	0.01	<b>-0.76</b>	-0.03	0.62
Sympathetic	0.10	0.01	<b>-0.75</b>	-0.08	0.58
Gentle	0.34	-0.04	<b>-0.74</b>	0.14	0.68
Affectionate	-0.27	-0.09	<b>-0.71</b>	-0.02	0.58
Sensitive	-0.01	<b>0.45</b>	<b>-0.62</b>	0.13	0.60
Protective	0.01	0.09	<b>-0.43</b>	-0.32	0.29
Independent	0.09	0.00	0.14	<b>-0.77</b>	0.63
Dominant	-0.23	-0.06	0.34	<b>-0.74</b>	0.71
Fearful	-0.06	0.27	0.19	<b>0.73</b>	0.65
Decisive	-0.19	0.15	-0.06	<b>-0.68</b>	0.52
Vulnerable	-0.20	0.34	-0.20	<b>0.59</b>	0.55
Persistent	<b>-0.41</b>	-0.05	0.13	<b>-0.57</b>	0.51

Cautious	0.16	0.37	0.03	<b>0.56</b>	0.48
Stable	-0.07	0.21	-0.22	<b>-0.48</b>	0.32
Sociable	-0.23	-0.19	-0.37	<b>-0.46</b>	0.44
Dependent-Follower	-0.05	0.22	-0.04	0.34	0.17
Timid	0.21	<b>0.43</b>	0.05	<b>0.73</b>	0.77
Curious	<b>-0.74</b>	-0.24	-0.23	-0.31	0.76
Submissive	-0.01	0.32	<b>-0.44</b>	<b>0.68</b>	0.76
Active	<b>-0.64</b>	<b>-0.45</b>	-0.27	0.13	0.71
Jealous	<b>-0.64</b>	0.17	<b>0.48</b>	-0.18	0.70
Anxious	-0.17	<b>0.58</b>	0.23	<b>0.51</b>	0.68
Cronbach's alpha	0.93	0.89	0.86	0.89	

*Note.* Opn = Openness; Neu = Neuroticism; Agr = Agreeableness; Ast = Assertiveness;  
 \* = items reflected.  $h^2$  = Communalities. Item loadings  $\geq |0.4|$  are in boldface.

Table S4

*REFA-Derived Item Loadings on Bolivian Squirrel Monkey Factors*

	Neu*	Ast*	Agr	Opn*	h <sup>2</sup>
Thoughtless	<b>-0.86</b>	-0.17	0.08	-0.07	0.78
Intelligent	<b>0.80</b>	-0.16	0.04	0.00	0.67
Quitting	<b>-0.74</b>	-0.11	0.33	-0.08	0.67
Disorganized	<b>-0.72</b>	-0.30	0.16	0.26	0.70
Clumsy	<b>-0.70</b>	-0.29	-0.05	0.28	0.65
Impulsive	<b>-0.69</b>	-0.16	0.05	-0.10	0.52
Autistic	<b>-0.69</b>	-0.02	0.05	0.36	0.61
Fearful	<b>-0.68</b>	0.20	-0.13	0.28	0.60
Imitative	<b>-0.65</b>	0.08	0.36	-0.13	0.57
Decisive	<b>0.62</b>	-0.38	-0.15	-0.13	0.57
Predictable	<b>0.58</b>	0.08	-0.04	0.19	0.38
Erratic	<b>-0.43</b>	-0.15	0.28	0.04	0.29
Persistent	-0.07	<b>-0.74</b>	0.24	0.14	0.64
Dominant	-0.01	<b>-0.74</b>	-0.05	-0.16	0.58
Stingy-Greedy	-0.08	<b>-0.68</b>	-0.34	-0.18	0.62
Jealous	-0.17	<b>-0.66</b>	-0.22	-0.30	0.60
Independent	0.02	<b>-0.64</b>	0.19	0.27	0.52
Aggressive	-0.20	<b>-0.62</b>	-0.24	-0.29	0.56
Bullying	0.15	<b>-0.58</b>	-0.27	-0.17	0.46
Sympathetic	-0.14	0.16	<b>0.83</b>	0.10	0.75
Helpful	-0.01	0.14	<b>0.78</b>	-0.05	0.63
Sensitive	-0.24	-0.14	<b>0.74</b>	0.20	0.67
Protective	0.01	<b>-0.43</b>	<b>0.64</b>	0.06	0.60
Friendly	-0.16	0.05	<b>0.55</b>	-0.04	0.34
Innovative	-0.20	-0.25	-0.02	<b>-0.67</b>	0.56
Active	0.11	-0.13	-0.22	<b>-0.67</b>	0.53
Unemotional	-0.32	-0.31	0.12	<b>0.67</b>	0.66
Conventional	0.23	-0.03	0.27	<b>0.64</b>	0.53
Playful	-0.02	-0.22	0.03	<b>-0.63</b>	0.45
Solitary	-0.12	-0.14	-0.36	<b>0.62</b>	0.55
Inventive	0.22	-0.27	-0.13	<b>-0.59</b>	0.49
Individualistic	-0.24	-0.20	-0.04	<b>0.40</b>	0.26
Timid	<b>-0.73</b>	0.38	0.15	<b>0.40</b>	0.86
Vulnerable	<b>-0.64</b>	0.36	0.19	<b>0.50</b>	0.83
Lazy	-0.31	-0.13	0.23	<b>0.79</b>	0.79
Cautious	<b>-0.71</b>	0.15	<b>0.41</b>	0.31	0.79
Depressed	<b>-0.71</b>	0.18	0.04	<b>0.48</b>	0.77
Excitable	<b>-0.71</b>	-0.38	0.25	-0.19	0.75
Anxious	<b>-0.73</b>	0.22	0.09	<b>0.40</b>	0.75
Dependent-Follower	<b>-0.64</b>	<b>0.51</b>	0.23	0.13	0.73
Manipulative	<b>-0.53</b>	<b>-0.53</b>	0.36	0.17	0.73



Curious	0.10	<b>-0.53</b>	-0.13	<b>-0.63</b>	0.70
Sociable	0.32	-0.35	<b>0.49</b>	<b>-0.45</b>	0.67
Reckless	0.15	-0.38	<b>-0.65</b>	-0.26	0.66
Affectionate	<b>-0.45</b>	0.14	<b>0.64</b>	0.16	0.66
Gentle	-0.21	0.21	<b>0.63</b>	<b>0.40</b>	0.65
Stable	<b>0.61</b>	-0.19	<b>0.41</b>	0.21	0.63
Submissive	<b>-0.40</b>	<b>0.50</b>	0.07	0.34	0.53
Distractible	<b>-0.41</b>	-0.26	-0.16	<b>-0.47</b>	0.49
Cool	0.32	<b>-0.45</b>	0.19	0.33	0.45
Defiant	<b>-0.41</b>	-0.27	0.26	-0.34	0.42
Cronbach's alpha	0.95	0.80	0.87	0.87	

*Note.* Opn = Openness; Neu = Neuroticism; Agr = Agreeableness; Ast = Assertiveness;

\* = items reflected.  $h^2$  = Communalities. Item loadings  $\geq |0.4|$  are in boldface.

Table S5

*REFA-Derived Item Loadings on Saimiri Genus Factors*

Items	Neu	Opn	Agr*	Ast	Dec	h <sup>2</sup>
Depressed	<b>0.84</b>	-0.18	0.02	-0.08	-0.04	0.75
Anxious	<b>0.84</b>	0.04	0.14	-0.05	-0.13	0.74
Disorganized	<b>0.77</b>	0.15	0.11	0.08	0.04	0.64
Clumsy	<b>0.77</b>	-0.01	0.02	0.20	0.12	0.65
Vulnerable	<b>0.70</b>	0.04	-0.16	-0.18	-0.30	0.65
Autistic	<b>0.69</b>	0.00	-0.10	0.07	-0.16	0.51
Cautious	<b>0.64</b>	-0.18	-0.15	-0.09	-0.37	0.61
Fearful	<b>0.62</b>	-0.01	0.18	-0.14	<b>-0.43</b>	0.62
Thoughtless	<b>0.61</b>	0.35	0.00	0.21	-0.01	0.53
Solitary	<b>0.60</b>	-0.36	0.18	0.01	0.26	0.60
Quitting	<b>0.59</b>	-0.06	-0.19	0.13	-0.21	0.45
Individualistic	0.37	0.25	0.25	-0.02	0.32	0.37
Active	-0.27	<b>0.74</b>	-0.07	0.04	-0.12	0.64
Innovative	0.11	<b>0.70</b>	-0.05	0.13	0.15	0.54
Inventive	-0.09	<b>0.70</b>	-0.06	0.17	0.24	0.58
Impulsive	0.36	<b>0.65</b>	-0.04	0.23	-0.14	0.62
Playful	-0.25	<b>0.61</b>	-0.19	0.24	-0.13	0.54
Distractible	0.24	<b>0.51</b>	-0.08	0.32	0.09	0.44
Conventional	0.29	<b>-0.50</b>	-0.25	0.14	0.05	0.41
Cool	0.00	<b>-0.45</b>	-0.20	0.02	<b>0.41</b>	0.41
Sympathetic	-0.03	-0.05	<b>-0.77</b>	-0.20	0.04	0.63
Friendly	0.02	0.21	<b>-0.74</b>	-0.20	-0.10	0.64
Helpful	-0.04	0.20	<b>-0.73</b>	-0.18	0.07	0.61
Affectionate	0.06	0.11	<b>-0.71</b>	-0.04	-0.22	0.58
Gentle	0.10	-0.18	<b>-0.66</b>	<b>-0.41</b>	0.01	0.64
Sensitive	0.39	0.00	<b>-0.63</b>	-0.14	0.20	0.61
Protective	-0.12	-0.13	<b>-0.59</b>	0.27	0.13	0.46
Aggressive	0.00	0.22	0.18	<b>0.78</b>	-0.10	0.70
Dominant	-0.20	0.06	0.15	<b>0.71</b>	0.23	0.62
Jealous	0.14	0.33	0.27	<b>0.69</b>	0.02	0.68
Bullying	0.05	0.17	0.27	<b>0.65</b>	0.01	0.53
Persistent	-0.02	0.16	-0.09	<b>0.63</b>	0.27	0.50
Stingy-Greedy	-0.01	0.35	0.09	<b>0.62</b>	0.13	0.53
Intelligent	-0.15	0.05	-0.10	-0.11	<b>0.68</b>	0.51
Decisive	-0.30	0.16	-0.01	0.18	<b>0.67</b>	0.59
Independent	0.01	-0.01	0.07	0.30	<b>0.62</b>	0.48
Dependent-Follower	0.34	-0.02	-0.19	-0.22	<b>-0.40</b>	0.36
Timid	<b>0.74</b>	-0.18	-0.01	-0.29	-0.37	0.81
Curious	-0.26	<b>0.70</b>	-0.11	0.36	0.20	0.74
Lazy	<b>0.62</b>	<b>-0.43</b>	-0.11	0.18	0.24	0.66
Sociable	<b>-0.52</b>	0.07	<b>-0.52</b>	0.34	0.02	0.66

Excitable	0.39	<b>0.56</b>	-0.11	0.37	-0.13	0.64
Submissive	<b>0.57</b>	-0.02	-0.25	-0.37	-0.28	0.61
Erratic	<b>0.50</b>	<b>0.46</b>	0.07	0.36	0.03	0.60
Manipulative	<b>0.48</b>	0.07	-0.25	<b>0.53</b>	-0.12	0.59
Predictable	0.04	<b>-0.43</b>	-0.01	-0.36	0.50	0.57
Reckless	-0.22	<b>0.52</b>	0.23	<b>0.43</b>	0.06	0.56
Imitative	0.27	0.16	<b>-0.43</b>	0.26	<b>-0.41</b>	0.52
Unemotional	<b>0.40</b>	-0.34	-0.27	0.39	-0.03	0.50
Defiant	0.22	<b>0.41</b>	-0.21	0.38	-0.11	0.42
Stable	-0.19	-0.20	-0.33	0.26	0.35	0.38
Cronbach's alpha	0.93	0.88	0.85	0.87	0.66	

*Note.* Neu = Neuroticism; Opn = Openness; Agr = Agreeableness; Ast = Assertiveness; Dec = Decisiveness. \* = items reflected.  $h^2$  = Communalities. Item loadings  $\geq |0.4|$  are highlighted in bold.

Table S6

*PCA-derived Linear Regressions of Personality Component Scores for Age, Sex and their Interaction in Common and Bolivian Squirrel Monkeys*

Common squirrel monkeys					
	Estimate	SE	95% CI	t	p
Neuroticism					
Intercept	-1.05	0.33	[-1.53, -0.75]	-3.20	0.003
Sex	0.28	0.44	[-0.26, 0.82]	0.65	0.52
Age	0.04	0.04	[-0.00, 0.12]	0.99	0.33
Sex x Age	0.05	0.04	[-0.02, 0.10]	1.26	0.21
Openness					
Intercept	0.34	0.40	[-0.24, 0.85]	0.86	0.39
Sex	0.78	0.53	[0.02, 1.74]	1.48	0.15
Age	-0.09	0.04	[-0.13, 0.02]	-1.98	0.054
Sex x Age	0.00	0.05	[-0.11, 0.08]	0.09	0.93
Assertiveness					
Intercept	-0.44	0.44	[-1.10, 0.21]	-0.99	0.33
Sex	1.52	0.59	<b>[0.75, 2.56]</b>	2.57	<b>0.014</b>
Age	0.04	0.05	[-0.01, 0.14]	0.76	0.45
Sex x Age	-0.13	0.06	<b>[-0.23, -0.05]</b>	-2.22	<b>0.032</b>
Agreeableness					
Intercept	-0.59	0.35	[-1.38, 0.05]	-1.68	0.10
Sex	0.02	0.47	[-0.92, 1.08]	0.04	0.97
Age	0.06	0.04	[-0.02, 0.12]	1.55	0.13
Sex x Age	-0.02	0.05	[-0.14, 0.07]	-0.40	0.69
Bolivian squirrel monkeys					
	Estimate	SE	95% CI	t	p
Neuroticism					
Intercept	0.77	0.33	[0.12, 1.36]	2.34	0.027
Sex	0.09	0.40	[-0.65, 0.85]	0.23	0.82
Age	-0.02	0.03	[-0.07, 0.02]	-0.77	0.45
Sex x Age	-0.07	0.04	[-0.14, 0.03]	-1.52	0.14
Openness					
Intercept	0.39	0.46	[-0.60, 1.41]	0.84	0.41
Sex	0.54	0.57	[-0.58, 2.03]	0.95	0.35
Age	-0.09	0.04	<b>[-0.18, -0.01]</b>	-2.21	<b>0.036</b>
Sex x Age	-0.01	0.06	[-0.18, 0.11]	-0.20	0.84
Assertiveness					
Intercept	-0.93	0.59	[-1.64, 0.04]	-1.56	0.13
Sex	0.48	0.73	[-0.86, 1.96]	0.66	0.52
Age	0.10	0.05	[0.01, 0.17]	1.82	0.080
Sex x Age	0.01	0.08	[-0.24, 0.17]	0.13	0.90
Agreeableness					
Intercept	1.24	0.42	[0.50, 1.84]	2.94	0.006
Sex	-1.25	0.52	<b>[-2.08, -0.11]</b>	-2.39	<b>0.024</b>
Age	-0.06	0.04	[-0.11, -0.01]	-1.68	0.10
Sex x Age	0.07	0.06	[-0.12, 0.19]	1.33	0.20

Note. Bold cells indicate a significant effect for that variable. Estimates shown are for common squirrel monkeys compared with Bolivian squirrel monkeys, and for males compared with females.

Table S7

*REFA-derived Linear Regressions of Personality Component Scores for Age, Sex and their Interaction in Common and Bolivian Squirrel Monkeys*

Common squirrel monkeys					
	Estimate	SE	95% CI	t	p
Neuroticism					
Intercept	-1.05	0.33	[-1.47, -0.81]	-3.20	0.003
Sex	0.28	0.44	[-0.24, 0.90]	0.65	0.52
Age	0.04	0.04	[0.00, 0.12]	0.99	0.33
Sex x Age	0.05	0.04	[-0.02, 0.11]	1.26	0.21
Openness					
Intercept	0.34	0.40	[-0.18, 0.98]	0.86	0.39
Sex	0.78	0.53	[-0.09, 1.70]	1.48	0.15
Age	-0.09	0.04	[-0.14, 0.00]	-1.98	0.054
Sex x Age	0.00	0.05	[-0.10, 0.09]	0.09	0.93
Assertiveness					
Intercept	-0.44	0.44	[-1.16, 0.24]	-0.99	0.33
Sex	1.52	0.59	<b>[0.69, 2.73]</b>	2.57	<b>0.014</b>
Age	0.04	0.05	[-0.02, 0.16]	0.76	0.45
Sex x Age	-0.13	0.06	<b>[-0.25, -0.04]</b>	-2.22	<b>0.032</b>
Agreeableness					
Intercept	-0.59	0.35	[-1.62, -0.00]	-1.68	0.10
Sex	0.02	0.47	[-0.78, 1.38]	0.04	0.97
Age	0.06	0.04	[-0.02, 0.14]	1.55	0.13
Sex x Age	-0.02	0.05	[-0.16, 0.06]	-0.40	0.69
Bolivian squirrel monkeys					
	Estimate	SE	95% CI	t	p
Neuroticism					
Intercept	0.75	0.31	[0.07, 1.29]	2.41	0.023
Sex	0.07	0.38	[-0.64, 0.82]	0.18	0.86
Age	-0.02	0.03	[-0.06, 0.03]	-0.70	0.49
Sex x Age	-0.06	0.04	[-0.15, 0.03]	-1.48	0.15
Openness					
Intercept	0.39	0.46	[-0.51, 1.29]	0.84	0.41
Sex	0.54	0.57	[-0.50, 1.82]	0.95	0.35
Age	-0.09	0.04	<b>[-0.17, -0.01]</b>	-2.21	<b>0.034</b>
Sex x Age	-0.01	0.06	[-0.14, 0.11]	-0.20	0.84
Assertiveness					
Intercept	-0.80	0.58	[-1.52, 0.05]	-1.37	0.18
Sex	0.65	0.72	[-0.51, 2.08]	0.90	0.38
Age	0.08	0.05	[0.01, 0.14]	1.50	0.14
Sex x Age	-0.01	0.08	[-0.19, 0.20]	-0.19	0.85
Agreeableness					
Intercept	1.16	0.48	[0.04, 2.15]	2.43	0.022
Sex	-1.24	0.59	<b>[-2.51, 0.05]</b>	-2.11	<b>0.044</b>
Age	-0.06	0.04	[-0.14, 0.02]	-1.30	0.20
Sex x Age	0.07	0.06	[-0.16, 0.19]	1.05	0.30

Note. Bold cells indicate a significant effect for that variable. Estimates shown are for common squirrel monkeys compared with Bolivian squirrel monkeys, and for males compared with females.

Table S8

*REFA-Derived Correlations of Common and Bolivian Squirrel Monkeys and Brown Capuchin Monkey Component Scores*

	Assertiveness	Openness	Neuroticism	Agreeableness
<i>Brown capuchin</i>	<i>Common squirrel monkey<sup>1</sup></i>			
Assertiveness	<b>0.81 [0.64, 0.90]</b>	<b>0.61 [0.38, 0.75]</b>	-0.23 [-0.52, 0.01]	<b>-0.32 [-0.59, -0.01]</b>
Openness	<b>0.36 [0.02, 0.63]</b>	<b>0.78 [0.56, 0.88]</b>	<b>-0.38 [-0.63, -0.15]</b>	0.21 [-0.15, 0.47]
Neuroticism	-0.24 [-0.51, 0.14]	<b>0.58 [0.41, 0.73]</b>	-0.16 [-0.37, 0.13]	<b>-0.34 [-0.60, -0.07]</b>
Sociability	<b>0.50 [0.29, 0.72]</b>	0.13 [-0.23, 0.57]	<b>-0.83 [-0.89, -0.74]</b>	<b>0.36 [0.08, 0.64]</b>
Attentiveness	0.19 [-0.13, 0.42]	<b>-0.53 [-0.71, -0.19]</b>	<b>-0.74 [-0.81, -0.62]</b>	0.23 [-0.06, 0.50]
<i>Brown capuchin</i>	<i>Bolivian squirrel monkey<sup>2</sup></i>			
Assertiveness	<b>0.79 [0.64, 0.88]</b>	<b>0.46 [0.25, 0.66]</b>	<b>-0.47 [-0.64, -0.22]</b>	<b>-0.41 [-0.68, -0.17]</b>
Openness	<b>0.58 [0.33, 0.76]</b>	<b>0.90 [0.82, 0.94]</b>	-0.10 [-0.45, 0.20]	-0.12 [-0.51, 0.14]
Neuroticism	0.18 [-0.16, 0.42]	0.28 [-0.02, 0.53]	<b>0.62 [0.34, 0.74]</b>	-0.13 [-0.43, 0.14]
Sociability	0.03 [-0.25, 0.43]	<b>0.58 [0.37, 0.73]</b>	<b>-0.57 [-0.69, -0.36]</b>	0.28 [-0.04, 0.55]
Attentiveness	<b>-0.35 [-0.57, -0.00]</b>	0.15 [-0.11, 0.42]	<b>-0.86 [-0.92, -0.70]</b>	-0.12 [-0.45, 0.28]
<i>Bolivian squirrel monkey</i>	<i>Common squirrel monkey<sup>3</sup></i>			
Assertiveness	<b>0.57 [0.26, 0.75]</b>	<b>0.77 [0.56, 0.86]</b>	0.02 [-0.27, 0.36]	-0.28 [-0.55, 0.13]
Openness	0.30 [-0.09, 0.57]	<b>0.65 [0.40, 0.78]</b>	<b>-0.57 [-0.73, -0.31]</b>	0.22 [-0.11, 0.56]
Neuroticism	<b>-0.69 [-0.79, -0.54]</b>	<b>0.37 [0.07, 0.64]</b>	<b>0.75 [0.60, 0.83]</b>	-0.04 [-0.33, 0.34]
Agreeableness	-0.06 [-0.40, 0.30]	-0.11 [-0.41, 0.26]	-0.04 [-0.40, 0.30]	<b>0.98 [0.97, 0.99]</b>
<i>Common squirrel monkey</i>	<i>Bolivian squirrel monkey<sup>4</sup></i>			
Assertiveness	<b>0.50 [0.27, 0.75]</b>	<b>0.42 [0.12, 0.59]</b>	<b>-0.72 [-0.79, -0.56]</b>	-0.17 [-0.42, 0.09]
Openness	<b>0.80 [0.66, 0.87]</b>	<b>0.62 [0.41, 0.75]</b>	0.30 [-0.04, 0.55]	-0.09 [-0.42, 0.26]
Neuroticism	0.07 [-0.23, 0.35]	<b>-0.62 [-0.77, -0.43]</b>	<b>0.84 [0.71, 0.90]</b>	0.28 [-0.09, 0.59]
Agreeableness	-0.21 [-0.56, 0.06]	-0.26 [-0.57, 0.10]	<b>0.42 [0.13, 0.62]</b>	<b>0.99 [0.98, 0.99]</b>

Note. Significant correlations highlighted in bold. <sup>1</sup>In the first set of correlations, scores for common squirrel monkeys are correlated with common squirrel monkeys scored using the definitions of brown capuchins. <sup>2</sup>In the second set of correlations, scores for Bolivian squirrel monkeys are correlated with Bolivian squirrel monkeys scored using the definitions of brown capuchins. <sup>3</sup>In the third set of correlations, scores for common squirrel monkeys are correlated with common squirrel monkeys scored using the definitions of Bolivian squirrel monkeys. <sup>4</sup>In the fourth set of correlations, scores for Bolivian squirrel monkeys are correlated with Bolivian squirrel monkeys scored using the definitions of common squirrel monkeys.

Table S9

*REFA-Derived Bolivian Squirrel Monkey Structure Rotated Toward REFA-Derived Common Squirrel Monkey Structure*

	Opn	Neu	Agr	Ast	Congruence
Aggressive	-0.619	0.060	0.297	-0.293	<b>0.997</b>
Sociable	-0.286	-0.233	-0.514	-0.520	<b>0.996</b>
Autistic	-0.184	0.608	0.064	0.452	<b>0.985</b>
Sensitive	-0.094	0.491	-0.645	0.006	<b>0.981</b>
Fearful	-0.109	0.412	0.181	0.624	<b>0.974</b>
Timid	0.026	0.519	-0.09	0.762	<b>0.965</b>
Defiant	-0.593	0.092	-0.247	0.061	<b>0.961</b>
Lazy	0.237	0.851	-0.044	0.102	<b>0.955</b>
Helpful	0.026	0.088	-0.784	0.044	<i>0.944</i>
Jealous	-0.634	0.058	0.277	-0.344	<i>0.941</i>
Playful	-0.519	-0.384	-0.100	-0.154	<i>0.941</i>
Depressed	-0.022	0.625	0.055	0.615	<i>0.941</i>
Dependent-Follower	-0.023	0.236	-0.248	0.785	<i>0.940</i>
Friendly	-0.096	0.155	-0.543	0.105	<i>0.938</i>
Anxious	-0.057	0.566	-0.009	0.651	<i>0.937</i>
Unemotional	0.063	0.807	0.067	-0.021	<i>0.933</i>
Stingy-Greedy	-0.517	0.092	0.414	-0.413	<i>0.917</i>
Sympathetic	0.053	0.267	-0.810	0.141	<i>0.917</i>
Protective	-0.189	0.365	-0.541	-0.371	<i>0.908</i>
Disorganized	-0.420	0.677	-0.019	0.258	<i>0.906</i>
Clumsy	-0.384	0.627	0.189	0.270	<i>0.902</i>
Innovative	-0.665	-0.331	-0.048	-0.052	<i>0.900</i>
Manipulative	-0.489	0.669	-0.197	-0.055	<i>0.892</i>
Curious	-0.607	-0.345	0.099	-0.449	<i>0.891</i>
Vulnerable	0.128	0.568	-0.116	0.689	<i>0.887</i>
Thoughtless	-0.627	0.422	-0.006	0.455	<i>0.856</i>
Excitable	-0.737	0.383	-0.168	0.188	<i>0.853</i>
Submissive	0.239	0.255	-0.068	0.633	<i>0.852</i>
Dominant	-0.496	0.170	0.147	-0.532	0.848
Solitary	0.249	0.504	0.488	0.013	0.831
Cautious	-0.137	0.591	-0.322	0.562	0.813
Imitative	-0.414	0.245	-0.343	0.472	0.802
Active	-0.422	-0.561	0.106	-0.159	0.776
Stable	0.373	0.056	-0.372	-0.588	0.775
Gentle	0.232	0.465	-0.561	0.251	0.766
Impulsive	-0.548	0.308	-0.003	0.351	0.763
Decisive	0.079	-0.256	0.144	-0.690	0.745
Conventional	0.505	0.458	-0.157	-0.194	0.728
Cool	0.153	0.334	-0.074	-0.558	0.722
Distractible	-0.665	-0.111	0.143	0.101	0.720

Erratic	-0.310	0.352	-0.211	0.160	0.710
Persistent	-0.358	0.490	-0.080	-0.510	0.704
Bullying	-0.318	-0.028	0.314	-0.506	0.679
Predictable	0.493	-0.155	0.027	-0.329	0.676
Reckless	-0.268	-0.270	0.640	-0.324	0.651
Quitting	-0.543	0.388	-0.267	0.392	0.643
Inventive	-0.384	-0.473	0.056	-0.336	0.642
Affectionate	-0.098	0.419	-0.585	0.360	0.641
Independent	-0.161	0.501	-0.031	-0.494	0.637
Individualistic	0.008	0.487	0.152	0.021	0.345
Intelligent	0.378	-0.290	-0.063	-0.664	0.260
Overall	0.842	0.783	0.787	0.878	0.819

*Note.* Opn = Openness; Neu = Neuroticism; Ast = Assertiveness; Agr = Agreeableness.  
Cells in bold italics indicate congruences > 0.95; cells in italics indicate congruences > 0.85.



Table S10

*REFA-Derived Common Squirrel Monkey Structure Rotated Toward Saimiri Genus Structure*

	Neu	Opn	Agr	Ast	Dec	Congruence
Submissive	0.676	-0.031	-0.260	-0.442	-0.323	<b>0.999</b>
Depressed	0.781	-0.213	-0.029	-0.121	-0.099	<b>0.993</b>
Friendly	0.032	0.212	-0.797	-0.323	-0.136	<b>0.992</b>
Curious	-0.196	0.742	-0.172	0.278	0.195	<b>0.988</b>
Vulnerable	0.641	0.072	-0.205	-0.248	-0.368	<b>0.988</b>
Fearful	0.620	0.037	0.082	-0.142	-0.522	<b>0.986</b>
Timid	0.685	-0.254	-0.078	-0.274	-0.470	<b>0.986</b>
Predictable	0.020	-0.481	-0.115	-0.456	0.467	<b>0.984</b>
Disorganized	0.755	0.240	0.091	-0.015	-0.025	<b>0.982</b>
Aggressive	-0.061	0.132	0.311	0.757	-0.127	<b>0.978</b>
Solitary	0.708	-0.351	0.097	0.001	0.145	<b>0.975</b>
Helpful	-0.014	0.373	-0.680	-0.225	0.088	<b>0.974</b>
Manipulative	0.422	0.052	-0.221	0.497	-0.289	<b>0.971</b>
Erratic	0.514	0.416	0.019	0.546	-0.069	<b>0.971</b>
Reckless	-0.060	0.608	0.218	0.482	0.126	<b>0.970</b>
Impulsive	0.238	0.766	-0.015	0.157	-0.064	<b>0.968</b>
Anxious	0.749	0.082	0.278	-0.090	-0.261	<b>0.967</b>
Jealous	0.205	0.230	0.457	0.654	-0.022	<b>0.964</b>
Clumsy	0.681	-0.086	-0.065	0.264	-0.035	<b>0.962</b>
Lazy	0.541	-0.404	-0.106	0.321	0.404	<b>0.962</b>
Unemotional	0.375	-0.415	-0.074	0.394	0.005	<b>0.955</b>
Sociable	-0.573	-0.119	-0.382	0.314	0.073	<b>0.953</b>
Cautious	0.543	-0.285	0.009	-0.155	-0.466	<b>0.952</b>
Active	-0.163	0.752	-0.201	-0.093	-0.269	<b>0.951</b>
Playful	-0.076	0.738	-0.097	0.182	-0.101	<b>0.950</b>
Defiant	0.172	0.347	-0.391	0.498	-0.253	<b>0.947</b>
Autistic	0.707	0.144	-0.024	-0.109	-0.114	<b>0.945</b>
Dominant	-0.452	-0.085	0.191	0.672	0.282	<b>0.942</b>
Bullying	0.319	0.243	0.222	0.728	-0.112	<b>0.935</b>
Thoughtless	0.560	0.393	-0.110	0.250	0.234	<b>0.932</b>
Inventive	0.044	0.671	-0.309	0.207	0.166	<b>0.930</b>
Decisive	-0.273	0.303	-0.189	0.390	0.610	<b>0.927</b>
Innovative	-0.021	0.731	-0.318	0.081	0.240	<b>0.926</b>
Stable	-0.033	-0.133	-0.306	0.428	0.540	<b>0.923</b>
Sensitive	0.467	0.097	-0.489	-0.366	0.357	<b>0.920</b>
Conventional	0.553	-0.445	-0.144	0.242	0.047	<b>0.918</b>
Imitative	0.264	0.196	-0.481	0.515	-0.215	<b>0.913</b>
Excitable	0.216	0.764	0.045	0.266	-0.015	<b>0.911</b>
Stingy-Greedy	0.065	0.424	0.363	0.482	0.252	<b>0.895</b>
Protective	-0.322	-0.212	-0.510	0.226	-0.071	<b>0.895</b>
Gentle	0.028	-0.155	-0.465	-0.697	0.201	<b>0.886</b>

Distractible	0.434	0.369	-0.070	0.383	0.352	<i>0.884</i>
Affectionate	-0.111	0.422	-0.668	-0.091	-0.101	<i>0.880</i>
Individualistic	0.191	0.479	0.261	-0.114	0.256	<i>0.876</i>
Cool	-0.137	-0.527	-0.579	0.00	0.251	<i>0.854</i>
Sympathetic	-0.119	-0.057	-0.517	-0.494	0.251	<i>0.835</i>
Dependent-Follower	0.254	0.150	-0.340	0.086	-0.530	<i>0.808</i>
Independent	-0.540	0.048	0.138	0.243	0.666	<i>0.782</i>
Intelligent	0.003	0.244	-0.470	-0.006	0.510	<i>0.773</i>
Quitting	0.623	-0.365	0.116	-0.155	-0.097	<i>0.732</i>
Persistent	-0.465	0.188	0.155	0.514	0.139	<i>0.727</i>
Overall	<i>0.936</i>	<b><i>0.958</i></b>	<i>0.885</i>	<i>0.938</i>	<i>0.907</i>	<i>0.928</i>

*Note.* Opn = Openness; Neu = Neuroticism; Ast = Assertiveness; Agr = Agreeableness; Dec = Decisiveness.  
Cells in bold italics indicate congruences > 0.95; cells in italics indicate congruences > 0.85.

Table S11

*REFA-Derived Bolivian Squirrel Monkey Structure Rotated Toward Saimiri Genus Structure*

	Neu	Opn	Agr	Ast	Dec	Congruence
Timid	0.786	-0.117	-0.105	-0.276	-0.378	<b>0.991</b>
Fearful	0.663	-0.038	0.142	-0.069	-0.375	<b>0.990</b>
Autistic	0.730	-0.086	-0.037	0.119	-0.250	<b>0.982</b>
Lazy	0.659	-0.558	-0.191	0.132	0.100	<b>0.973</b>
Imitative	0.356	0.116	-0.447	0.194	-0.627	<b>0.971</b>
Helpful	0.083	0.123	-0.730	-0.298	0.146	<b>0.969</b>
Aggressive	0.011	0.341	0.177	0.653	0.023	<b>0.969</b>
Excitable	0.546	0.496	-0.261	0.371	-0.117	<b>0.968</b>
Unemotional	0.539	-0.535	-0.144	0.418	-0.014	<b>0.965</b>
Sympathetic	0.215	-0.041	-0.811	-0.222	0.001	<b>0.957</b>
Clumsy	0.746	0.098	0.075	0.292	-0.056	<b>0.957</b>
Manipulative	0.585	0.123	-0.361	0.484	0.105	<i>0.945</i>
Sociable	-0.457	0.263	-0.544	0.278	0.196	<i>0.944</i>
Vulnerable	0.746	-0.260	-0.153	-0.247	-0.353	<i>0.942</i>
Anxious	0.799	-0.081	-0.048	-0.148	-0.290	<i>0.942</i>
Jealous	-0.062	0.272	0.121	0.763	-0.059	<i>0.941</i>
Dependent-Follower	0.602	0.111	-0.184	-0.453	-0.381	<i>0.937</i>
Cautious	0.759	-0.018	-0.374	-0.113	-0.248	<i>0.932</i>
Disorganized	0.777	0.136	-0.134	0.274	-0.025	<i>0.928</i>
Stingy-Greedy	-0.075	0.152	0.253	0.771	0.024	<i>0.923</i>
Depressed	0.771	-0.234	-0.035	-0.018	-0.382	<i>0.917</i>
Thoughtless	0.667	0.356	-0.10	0.278	-0.355	<i>0.916</i>
Stable	-0.405	-0.448	-0.436	0.130	0.338	<i>0.915</i>
Persistent	0.154	-0.053	-0.278	0.701	0.279	<i>0.912</i>
Independent	0.260	-0.016	-0.136	0.389	0.595	<i>0.899</i>
Impulsive	0.621	0.508	-0.006	0.062	-0.029	<i>0.898</i>
Submissive	0.441	-0.247	-0.051	-0.358	-0.391	<i>0.896</i>
Curious	-0.413	0.489	0.044	0.552	0.031	<i>0.895</i>
Active	-0.420	0.562	0.173	0.125	-0.044	<i>0.895</i>
Decisive	-0.521	-0.013	0.146	0.222	0.489	<i>0.887</i>
Sensitive	0.315	-0.139	-0.754	0.140	-0.015	<i>0.878</i>
Conventional	0.160	-0.598	-0.219	-0.061	0.314	<i>0.865</i>
Intelligent	-0.549	-0.114	0.018	-0.123	0.660	<i>0.860</i>
Individualistic	0.53	-0.024	0.137	-0.015	0.377	<i>0.859</i>
Gentle	0.352	-0.376	-0.624	-0.148	-0.153	<i>0.856</i>
Solitary	0.377	-0.489	0.381	0.184	0.078	<i>0.854</i>
Cool	-0.083	-0.385	-0.203	0.372	0.383	<i>0.849</i>
Dominant	0.033	0.326	0.055	0.564	0.439	<i>0.842</i>
Inventive	-0.420	0.524	0.112	0.167	0.170	<i>0.842</i>
Playful	-0.423	0.344	-0.165	0.440	-0.377	<i>0.835</i>
Defiant	0.294	0.620	-0.233	0.107	0.117	<i>0.821</i>

Quitting	0.618	0.396	-0.315	0.111	-0.190	0.817
Friendly	0.051	-0.083	-0.617	0.088	-0.284	0.816
Affectionate	0.501	0.035	-0.607	-0.162	-0.121	0.814
Innovative	-0.188	0.625	-0.054	0.311	-0.196	0.778
Reckless	-0.334	0.119	0.578	0.489	-0.039	0.767
Erratic	0.508	0.313	-0.210	-0.022	0.173	0.746
Protective	0.184	0.142	-0.588	0.156	0.505	0.736
Bullying	-0.118	0.280	0.281	0.396	0.444	0.722
Distractible	0.020	0.439	0.064	0.452	-0.395	0.678
Predictable	-0.419	-0.436	0.035	-0.079	0.172	0.603
Overall	<i>0.922</i>	<i>0.862</i>	<i>0.916</i>	<i>0.892</i>	<i>0.785</i>	<i>0.884</i>

*Note.* Opn = Openness; Neu = Neuroticism; Ast = Assertiveness; Agr = Agreeableness; Dec = Decisiveness.  
Cells in bold italics indicate congruences > 0.95; cells in italics indicate congruences > 0.85.

Table S12

*PCA-derived Linear Regressions of Genus Level Components for Species, Sex and their Interaction*

	Estimate	SE	95% CI	t	p
Neuroticism					
Intercept	0.27	0.20	[-0.02, 0.56]	1.34	0.19
Species	-0.38	0.28	[-0.84, 0.04]	-1.40	0.17
Sex	-0.54	0.30	[-0.98, -0.04]	-1.79	0.08
Species x Sex	1.12	0.38	<b>[0.40, 1.83]</b>	2.93	<b>0.004</b>
Openness					
Intercept	-0.38	0.24	[-0.66, -0.09]	-1.62	0.11
Species	0.30	0.32	[-0.33, 0.73]	0.95	0.34
Sex	0.51	0.35	[-0.08, 0.97]	1.46	0.15
Species x Sex	-0.13	0.45	[-0.87, 0.76]	-0.29	0.77
Assertiveness					
Intercept	-0.04	0.23	[-0.40, 0.28]	-0.18	0.86
Species	-0.25	0.31	[-0.70, 0.35]	-0.80	0.43
Sex	0.06	0.34	[-0.67, 0.79]	0.18	0.86
Species x Sex	0.47	0.43	[-0.46, 1.33]	1.09	0.28
Agreeableness					
Intercept	0.84	0.22	[0.49, 1.14]	3.74	0.000
Species	-1.09	0.30	<b>[-1.73, -0.49]</b>	-3.58	<b>0.000</b>
Sex	-0.49	0.33	[-0.99, -0.04]	-1.47	0.15
Species x Sex	0.56	0.42	[-0.21, 1.42]	1.31	0.19
Decisiveness					
Intercept	-0.28	0.24	[-0.64, -0.00]	-1.20	0.23
Species	0.18	0.32	[-0.29, 0.76]	0.58	0.57
Sex	-0.31	0.35	[-0.99, 0.52]	-0.88	0.38
Species x Sex	0.60	0.45	[-0.41, 1.50]	1.34	0.18

*Note.* Bold cells indicate a significant effect. Estimates shown are for common squirrel monkeys compared with Bolivian squirrel monkeys, and for males compared with females.

Table S13

*REFA-derived Means and Standard Deviations for Genus-Level Factor z-Scores in Common and Bolivian Squirrel Monkeys*

	Neu	Opn	Ast	Agr	Dec
	Common				
Mean (SD)	0.26 (0.95)	0.14 (1.11)	0.14 (1.00)	-0.21 (1.01)	0.08 (0.97)
	Bolivian				
Mean (SD)	-0.35 (0.96)	-0.19 (0.80)	-0.19 (0.98)	<b>0.29 (0.92)</b>	-0.12 (1.04)

*Note.* Neu = Neuroticism; Opn = Openness; Ast = Assertiveness; Agr = Agreeableness; Dec = Decisiveness. Bold cells indicate that mean score is significantly higher in that species.

Table S14

*REFA-derived Means and Standard Deviations of Genus-Level Factor z-Scores for Male and Female Common and Bolivian Squirrel Monkeys*

	Neu	Opn	Ast	Agr	Dec
	Common				
Male Mean (SD)	<b>0.47 (1.01)</b>	0.28 (1.20)	0.23 (0.93)	-0.18 (0.98)	0.19 (1.04)
Female Mean (SD)	-0.14 (0.77)	-0.08 (0.92)	-0.25 (0.90)	-0.25 (1.12)	-0.13 (0.86)
	Bolivian				
Male Mean (SD)	-0.26 (0.67)	0.17 (0.84)	0.03 (1.30)	0.35 (0.71)	-0.52 (1.30)
Female Mean (SD)	<b>0.30 (0.61)</b>	-0.34 (0.57)	-0.12 (0.68)	0.84 (0.65)	-0.26 (0.69)

*Note.* Neu = Neuroticism; Opn = Openness; Ast = Assertiveness; Agr = Agreeableness; Dec = Decisiveness.  
 Bold cells indicate that mean score is significantly higher in that sex, for each species.

Table S15

*REFA-derived Linear Regressions of Genus Level Factors for Species, Sex and their Interaction*

	Estimate	SE	95% CI	t	p
Neuroticism					
Intercept	0.30	0.20	[0.02, 0.61]	1.48	0.14
Species	-0.43	0.27	[-0.82, 0.06]	-1.58	0.12
Sex	-0.56	0.30	[-1.00, -0.12]	-1.87	0.065
Species x sex	1.17	0.38	<b>[0.39, 1.80]</b>	3.05	<b>0.003</b>
Openness					
Intercept	-0.34	0.24	[-0.62, -0.06]	-1.45	0.15
Species	0.26	0.32	[-0.31, 0.74]	0.82	0.41
Sex	0.51	0.35	[-0.04, 0.99]	1.45	0.15
Species x sex	-0.15	0.45	[-0.89, 0.73]	-0.34	0.74
Assertiveness					
Intercept	-0.12	0.23	[-0.42, 0.20]	-0.53	0.60
Species	-0.13	0.31	[-0.58, 0.38]	-0.40	0.69
Sex	0.15	0.34	[-0.65, 0.84]	0.45	0.66
Species x sex	0.32	0.44	[-0.68, 1.19]	0.73	0.47
Agreeableness					
Intercept	0.84	0.22	[0.53, 1.18]	3.74	0.000
Species	-1.09	0.30	<b>[-1.68, -0.50]</b>	-3.58	<b>0.000</b>
Sex	-0.49	0.33	[-1.10, -0.08]	-1.47	0.15
Species x sex	0.56	0.42	[-0.24, 1.35]	1.31	0.19
Decisiveness					
Intercept	-0.26	0.24	[-0.56, 0.07]	-1.10	0.27
Species	0.13	0.33	[-0.39, 0.61]	0.41	0.68
Sex	-0.26	0.36	[-1.02, 0.49]	-0.73	0.47
Species x sex	0.58	0.46	[-0.33, 1.62]	1.28	0.20

*Note.* Bold cells indicate a significant effect. Estimates shown are for common squirrel monkeys compared with Bolivian squirrel monkeys, and for males compared with females.