

Appendix A: Table of publications included in each meta-analysis

Paper	<i>n</i>	SV effects	Reward SV effects	Penalty SV effects	Time Period	Task stage
(Abler et al. 2006)	11	Pos	Pos	.	.	.
(Acevedo et al. 2012)	17	Pos & Neg	Pos & Neg	.	Receipt	Primary
(Adcock et al. 2006)	12	Pos	Pos	.	.	.
(Akitsuki et al. 2003)	36	Pos	.	.	Receipt	Money
(Albrecht et al. 2011)	28	Pos	Pos	.	Decision	.
(Aron et al. 2004)	15	Neg	Neg	.	.	.
(Ballard and Knutson 2009)	16	Pos	Pos	.	Decision	.
(Barrós-Loscertales et al. 2010)	45	Pos & Neg	Pos	Neg	Receipt	Primary
(Beaver et al. 2006)	12	Pos & Neg	Pos	Neg	Receipt	.
(Berns et al. 2001)	25	Pos	.	.	Receipt	Primary
(Bjork and Hommer 2007)	20	Pos	Pos	.	Receipt	Money
(Bjork et al. 2004)	12	Pos & Neg	Pos	Pos & Neg	Receipt	Money
(Bjork et al. 2010)	24	Pos & Neg	Pos	Neg	Receipt	Money
(Blair et al. 2006)	21	Pos & Neg	.	.	Decision	.
(Bray et al. 2010)	44	Pos	Pos	.	Receipt	Money
(Brooks et al. 2011)	24	Pos	.	.	Receipt	.
(Camara et al. 2009)	17	Pos	.	.	Receipt	Money
(Camara et al. 2010)	35	Pos	.	.	Receipt	Money
(Campbell-Meiklejohn et al. 2008)	23	Pos	.	.	Receipt	Money
(Campbell-Meiklejohn et al. 2010)	28	Pos	Pos	.	Receipt	.
(Caria et al. 2011)	14	Pos	Pos	.	Receipt	Primary
(Carlson et al. 2011)	42	Pos	.	.	Receipt	Money
(Carretié et al. 2009)	18	Pos & Neg	Pos	Neg	Receipt	Primary
(Chambers et al. 2009)	7	Pos	.	.	Receipt	Primary
(Chapin et al. 2010)	21	Pos & Neg	.	.	Receipt	Primary
(Christakou et al. 2009)	19	Pos & Neg	.	.	Receipt	Money
(Chua et al. 2009)	12	Pos	.	.	Receipt	Money
(Cikara et al. 2011)	18	Pos & Neg	Pos	Neg	Receipt	.
(Clark et al. 2009)	15	Pos	Pos	.	Receipt	Money
(Cloutier et al. 2008)	48	Pos & Neg	Pos & Neg	.	Receipt	Primary
(Cohen et al. 2005)	17	Pos	Pos	.	Receipt	Money
(Cohen et al. 2010)	11	Pos	Pos	.	Receipt	Money
(Cohen et al. 2008)	15	Pos & Neg	.	.	Receipt	Money
(Colibazzi et al. 2010)	10	Neg	.	.	.	.
(Cooper and Knutson 2008)	12	Pos	.	.	.	.
(Cooper et al. 2009)	12	Pos & Neg	Pos	Neg	.	.
(Costa et al. 2010)	29	Pos & Neg	Pos	Neg	Receipt	.
(Crowley et al. 2010)	20	Pos & Neg	Pos	Neg	Receipt	Money
(Davey et al. 2010)	19	Pos	Pos	.	Receipt	.
(Daw et al. 2006)	14	Pos	Pos	.	Decision	.
(de Greck et al. 2011)	20	Pos	Pos	.	.	.
(Delgado et al. 2000)	9	Pos	.	.	Receipt	Money
(Delgado et al. 2003)	18	Pos & Neg	.	.	Receipt	Money
(Delgado, Miller et al. 2005)	17	Pos	.	.	Decision	.
(Delgado et al. 2008)	17	Pos	.	.	Receipt	Money

Paper	<i>n</i>	SV effects	Reward SV effects	Penalty SV effects	Time Period	Task stage
(Delgado, Frank et al. 2005)	12	Pos & Neg	Pos & Neg	.	Receipt	Money
(Dreher et al. 2008)	20	Pos	Pos	.	Receipt	Money
(Dreher et al. 2006)	31	Pos	Pos	.	.	.
(Elliott et al. 2004)	12	Pos	Pos	.	Receipt	Money
(Elliott et al. 2003)	12	Pos	Pos	.	Receipt	Money
(Engelmann et al. 2009)	20	Pos	.	.	.	.
(Erk et al. 2002)	12	Pos & Neg	Pos & Neg	.	Receipt	.
(Ernst et al. 2005)	30	Pos	Pos	Pos	Receipt	Money
(Figuee et al. 2011)	19	Pos	Pos	.	Receipt	Money
(FitzGerald et al. 2010)	17	Pos	Pos	.	Decision	.
(Fliebsbach et al. 2007)	33	Pos	Pos	.	Receipt	Money
(Frank et al. 2010)	6	Pos	.	.	Receipt	.
(Franklin and Adams 2011)	19	Pos	.	.	Receipt	.
(Fujiwara et al. 2009)	16	Pos & Neg	Pos	Neg	Receipt	Money
(Galvan et al. 2005)	12	Pos	Pos	.	.	.
(Gianaros et al. 2011)	76	Pos & Neg	Pos	Neg	Receipt	Money
(Gilman et al. 2012)	20	Pos & Neg	Pos	Neg	Receipt	Money
(Glocker et al. 2009)	16	Pos	.	.	Receipt	Primary
(Goldstone et al. 2009)	20	Pos	Pos	.	Receipt	.
(Gottfried et al. 2003)	13	Pos	Pos	.	Receipt	Primary
(Grabenhorst et al. 2010)	14	Pos & Neg	Pos & Neg	.	Receipt	Primary
(Grabenhorst and Rolls 2009)	12	Pos	.	.	Receipt	Primary
(Gradin et al. 2011)	20	Pos & Neg	Pos & Neg	.	Decision & Receipt	Primary
(Greening et al. 2011)	21	Pos & Neg	.	.	Receipt	Money
(Haase et al. 2011)	21	Pos & Neg	.	.	Receipt	Primary
(Hare et al. 2011)	19	Pos	Pos	.	Decision	.
(Harsay et al. 2011)	14	Pos	Pos	.	.	.
(Haruno et al. 2004)	8	Pos	Pos	.	Receipt	Money
(Holroyd et al. 2004)	11	Pos & Neg	.	.	Receipt	Money
(Hooker et al. 2008)	12	Pos & Neg	Pos	Neg	Receipt	.
(Howard-Jones et al. 2010)	16	Pos	.	Pos	Receipt	Money
(Hsu et al. 2005)	16	Pos	Pos	.	.	.
(Huettel 2006)	23	Pos	Pos	.	Receipt	Money
(Iyer et al. 2010)	17	Pos & Neg	.	.	Receipt	Money
(Izuma et al. 2008)	19	Pos	Pos	.	Receipt	Money
(Jacobson et al. 2010)	19	Pos	Pos	.	Receipt	Primary
(Kable and Glimcher 2007)	10	Pos	Pos	.	Decision	.
(Kable and Glimcher 2010)	22	Pos	Pos	.	Decision	.
(Kahnt et al. 2011)	20	Pos	.	.	Receipt	.
(Kim et al. 2007)	14	Pos	.	.	Decision	.
(Kim et al. 2011)	18	Pos & Neg	.	.	Receipt	Money & Primary
(Kim et al. 2006)	16	Pos	.	.	Decision & Receipt	Money
(King-Casas et al. 2005)	48	Pos	.	.	Receipt	Money
(Kirsch et al. 2003)	27	Pos	Pos	.	.	.
(Knutson, Adams et al. 2001)	8	Pos & Neg	Pos	Neg	.	.
(Knutson, Fong et al. 2001)	9	Pos	Pos	.	Receipt	Money
(Knutson et al. 2003)	12	Pos & Neg	Pos	Neg	Receipt	Money

Paper	<i>n</i>	SV effects	Reward SV effects	Penalty SV effects	Time Period	Task stage
(Knutson et al. 2004)	8	Pos	Pos	Pos	Receipt	Money
(Knutson et al. 2007)	12	Pos	Pos	.	Decision	.
(Knutson, Bhanji et al. 2008)	12	Pos & Neg	Pos	Neg	Receipt	Money
(Knutson, Wimmer et al. 2008)	15	Pos	.	.	Receipt	Money
(Koelsch et al. 2006)	11	Pos & Neg	.	.	Receipt	Primary
(Kosson et al. 2006)	19	Pos	.	.	Receipt	Money
(Krebs et al. 2012)	11	Pos & Neg	Pos & Neg	.	.	.
(Krebs et al. 2011)	19	Pos	Pos	.	.	.
(Kuhnen and Knutson 2005)	19	Pos	.	.	Receipt	Money
(Kumar et al. 2008)	18	Pos & Neg	Pos & Neg	.	Receipt	Primary
(Leknes et al. 2011)	18	Pos	Pos	.	Receipt	.
(Levita et al. 2009)	20	Neg	.	.	.	.
(Li et al. 2011)	20	Pos	.	.	Receipt	Money
(Lim et al. 2011)	20	Pos	Pos	.	Decision	.
(Linke et al. 2010)	33	Pos & Neg	.	.	Receipt	Money
(Liu et al. 2007)	15	Pos & Neg	.	.	Receipt	Money
(Luhmann et al. 2008)	20	Pos & Neg	Pos & Neg	.	Decision	.
(Luo et al. 2009)	37	Pos	Pos	.	.	.
(Marco-Pallarés et al. 2007)	12	Pos	.	.	Receipt	.
(Martin et al. 2009)	20	Pos	Pos	.	Receipt	Money
(Menon and Levitin 2005)	13	Pos	.	.	Receipt	Primary
(Miedl et al. 2010)	12	Pos	.	.	Receipt	Money
(Mobbs et al. 2003)	16	Pos	Pos	.	Receipt	.
(Montag et al. 2011)	33	Pos	.	.	Receipt	Primary
(Morris et al. 2012)	16	Pos	Pos	.	Receipt	Money
(Murayama et al. 2010)	28	Pos	.	.	Receipt	Money
(Nicolle, Bach et al. 2011)	17	Pos	.	.	Receipt	Money
(Nicolle, Fleming et al. 2011)	17	Pos & Neg	.	.	Receipt	Money
(Nieuwenhuis, Slagter et al. 2005)	14	Pos	.	.	Receipt	.
(Nieuwenhuis, Heslenfeld et al. 2005)	14	Pos	.	.	Receipt	Money
(O'Doherty et al. 2002)	8	Pos & Neg	Pos	Neg	Receipt	Primary
(Onoda et al. 2011)	30	Pos	Pos	.	.	.
(Ortigue et al. 2007)	36	Pos	Pos	.	Receipt	.
(Ossewaarde et al. 2011)	28	Pos	Pos	.	.	.
(Paulus and Frank 2006)	16	Pos	Pos	.	Decision	.
(Pessiglione et al. 2007)	18	Pos	Pos	.	Receipt	Money
(Peters and Büchel 2009)	22	Pos	Pos	.	Decision	.
(Petrovic et al. 2008)	13	Pos & Neg	Pos	Neg	Receipt	Money
(Phan et al. 2010)	36	Pos	.	.	Receipt	.
(Philiastides et al. 2010)	22	Pos & Neg	Pos & Neg	.	Decision	.
(Pine et al. 2009)	24	Pos	Pos	.	Decision	.
(Plassmann et al. 2008)	20	Pos & Neg	Pos & Neg	.	Receipt	Primary
(Plassmann et al. 2010)	19	Pos	.	Pos	Decision	.
(Pochon et al. 2002)	6	Pos & Neg	Pos & Neg	.	.	.
(Prévost et al. 2010)	18	Pos & Neg	Pos & Neg	.	Decision	.
(Ramnani and Miall 2003)	8	Pos	Pos	.	.	.
(Ramnani et al. 2004)	6	Pos & Neg	Pos & Neg	.	Receipt	Money

Paper	<i>n</i>	SV effects	Reward SV effects	Penalty SV effects	Time Period	Task stage
(Rao et al. 2008)	14	Neg	.	.	.	.
(Remijnse et al. 2005)	27	Pos & Neg	Pos	Neg	.	.
(Remijnse et al. 2006)	27	Pos & Neg	Pos	Neg	.	.
(Reuter et al. 2005)	12	Pos	.	.	Receipt	Money
(Rilling et al. 2004)	19	Pos	.	.	Receipt	Money
(Rilling et al. 2008)	30	Neg	.	.	.	.
(Rodriguez et al. 2006)	15	Pos & Neg	.	.	Receipt	.
(Rogers et al. 2004)	14	Pos	.	.	Decision & Receipt	Money
(Roiser et al. 2010)	23	Pos	Pos	.	Receipt	Money
(Rolls et al. 2003)	11	Pos & Neg	Pos	Neg	Receipt	Primary
(Rowe et al. 2008)	28	Pos	Pos	.	.	.
(Safron et al. 2007)	22	Pos & Neg	.	.	Receipt	Primary
(Sailer et al. 2007)	38	Pos	.	.	Receipt	Money
(Samanez-Larkin et al. 2007)	12	Pos & Neg	Pos	Neg	.	.
(Schaefer and Rotte 2007)	14	Pos	.	.	Receipt	.
(Schiffer et al. 2008)	12	Pos	.	.	Receipt	Primary
(Schlagenhauf et al. 2009)	15	Pos & Neg	Pos	Neg	.	.
(Schmitz et al. 2008)	10	Pos	Pos	.	.	.
(Serences 2008)	15	Pos	Pos	.	Receipt	Money
(Sescousse et al. 2010)	18	Pos	Pos	.	Receipt	Money & Primary
(Sharot et al. 2009)	13	Pos & Neg	Pos	.	Receipt	.
(Sharot et al. 2010)	12	Pos & Neg	.	Pos & Neg	.	.
(Simon et al. 2010)	24	Pos	Pos	.	Receipt	Money
(Singer et al. 2004)	11	Pos & Neg	Pos	Neg	Receipt	.
(Small et al. 2003)	9	Pos & Neg	Pos	Neg	Receipt	Primary
(Smith et al. 2011)	70	Pos	Pos	.	Receipt	Money
(Smith et al. 2009)	25	Pos & Neg	Pos & Neg	.	.	.
(Smith et al. 2010)	23	Pos	.	.	Receipt	Money & Primary
(Staudinger et al. 2011)	24	Pos	Pos	.	.	.
(Stice et al. 2011)	25	Pos	Pos	.	Receipt	Money & Primary
(Stoppel et al. 2011)	18	Pos	Pos	.	Receipt	Money
(Stoy et al. 2011)	12	Pos	Pos	Pos	.	.
(Ströhle et al. 2008)	10	Pos	Pos	.	.	.
(Talmi et al. 2009)	18	Pos	.	.	.	.
(Taylor et al. 2004)	12	Pos	Pos	.	.	.
(Tobler et al. 2007)	16	Pos	Pos	.	Receipt	Money
(Tom et al. 2007)	16	Pos	.	.	Decision	.
(Trautmann et al. 2009)	16	Pos & Neg	Pos	Neg	Receipt	Primary
(Tricomi and Fiez 2008)	11	Pos & Neg	.	.	Decision	.
(Tricomi et al. 2006)	13	Pos & Neg	.	.	.	.
(Tsukiura and Cabeza 2011)	20	Pos & Neg	Pos & Neg	.	Decision	.
(Tsukiura and Cabeza 2011)	20	Pos	.	.	Receipt	Primary
(Ullsperger and von Cramon 2003)	16	Pos & Neg	.	.	Receipt	.
(Ursu et al. 2008)	19	Pos & Neg	Pos & Neg	Neg	.	.
(van den Bos et al. 2007)	19	Pos & Neg	.	.	Receipt	Primary
(Van Leijenhorst et al. 2010)	15	Pos & Neg	.	.	Receipt	Money
(van Veen et al. 2004)	14	Pos	.	.	Receipt	.

Paper	<i>n</i>	SV effects	Reward SV effects	Penalty SV effects	Time Period	Task stage
(Vartanian and Goel 2004)	12	Pos	Pos	.	Receipt	.
(Viinikainen et al. 2010)	17	Pos & Neg	Pos & Neg	Pos & Neg	Receipt	Primary
(Volz et al. 2005)	15	Neg	.	.	.	.
(Vrticka et al. 2008)	16	Pos & Neg	.	.	Receipt	.
(Walter et al. 2009)	16	Pos	Pos	.	Receipt	Money
(Watson et al. 2007)	16	Pos	Pos	.	Receipt	.
(Weil et al. 2010)	12	Pos	Pos	.	Receipt	Money
(Wittmann et al. 2005)	16	Pos	Pos	.	.	.
(Wittmann, Daw et al. 2008)	15	Pos	Pos	.	Receipt	Money
(Wittmann, Schiltz et al. 2008)	25	Pos	Pos	.	.	.
(Wrase et al. 2007)	14	Pos & Neg	Pos	Neg	Receipt	Money
(Wright et al. 2011)	14	Pos	Pos	.	Receipt	Money
(Wunderlich et al. 2010)	24	Pos	Pos	.	Decision	.
(Xue et al. 2009)	13	Pos	.	.	Decision & Receipt	Money
(Ye et al. 2011)	16	Pos	Pos	.	.	.
(Yoshida et al. 2010)	12	Pos	Pos	.	Receipt	Money
(Yu et al. 2010)	18	Pos	.	.	Receipt	Money
(Zalla et al. 2000)	10	Pos & Neg	Pos & Neg	Pos & Neg	Receipt	.
(Zhang et al. 2011)	13	Pos & Neg	.	Pos & Neg	Receipt	.
(Zink et al. 2004)	16	Pos	Pos	.	Receipt	Money

Appendix B: List of included publications

- Abler B, Walter H, Erk S, Kammerer H, Spitzer M. 2006. Prediction error as a linear function of reward probability is coded in human nucleus accumbens. *NeuroImage*. 31:790-795.
- Acevedo BP, Aron A, Fisher HE, Brown LL. 2012. Neural correlates of long-term intense romantic love. *Social Cognitive and Affective Neuroscience*. 7:145-159.
- Adcock RA, Thangavel A, Whitfield-Gabrieli S, Knutson B, Gabrieli JDE. 2006. Reward-motivated learning: Mesolimbic activation precedes memory formation. *Neuron*. 50:507-517.
- Akitsuki Y, Sugiura M, Watanabe J, Yamashita K, Sassa Y, Awata S, Matsuoka H, Maeda Y, Matsue Y, Fukuda H. 2003. Context-dependent cortical activation in response to financial reward and penalty: An event-related fMRI study. *NeuroImage*. 19:1674-1685.
- Albrecht K, Volz KG, Sutter M, Laibson DI, von Cramon DY. 2011. What is for me is not for you: Brain correlates of intertemporal choice for self and other. *Social Cognitive and Affective Neuroscience*. 6:218-225.
- Aron AR, Shohamy D, Clark J, Myers C, Gluck MA, Poldrack RA. 2004. Human midbrain sensitivity to cognitive feedback and uncertainty during classification learning. *Journal of Neurophysiology*. 92:1144-1152.
- Ballard K, Knutson B. 2009. Dissociable neural representations of future reward magnitude and delay during temporal discounting. *NeuroImage*. 45:143-150.
- Barrós-Loscertales A, Ventura-Campos N, Sanjuán-Tomás A, Belloch V, Parcet M-A, Avila C. 2010. Behavioral activation system modulation on brain activation during appetitive and aversive stimulus processing. *Social Cognitive and Affective Neuroscience*. 5:18-28.
- Beaver JD, Lawrence AD, van Ditzhuijzen J, Davis MH, Woods A, Calder AJ. 2006. Individual differences in reward drive predict neural responses to images of food. *Journal of Neuroscience*. 26:5160-5166.
- Berns GS, McClure SM, Pagnoni G, Montague PR. 2001. Predictability modulates human brain response to reward. *Journal of Neuroscience*. 21:2793-2798.
- Bjork JM, Hommer DW. 2007. Anticipating instrumentally obtained and passively-received rewards: A factorial fMRI investigation. *Behavioural Brain Research*. 177:165-170.
- Bjork JM, Knutson B, Fong GW, Caggiano DM, Bennett SM, Hommer DW. 2004. Incentive-elicited brain activation in adolescents: Similarities and differences from young adults. *Journal of Neuroscience*. 24:1793-1802.

Bjork JM, Smith AR, Chen G, Hommer DW. 2010. Adolescents, adults and rewards: Comparing motivational neurocircuitry recruitment using fMRI. *PloS One*. 5:e11440.

Blair K, Marsh AA, Morton J, Vythilingam M, Jones M, Mondillo K, Pine DC, Drevets WC, Blair JR. 2006. Choosing the lesser of two evils, the better of two goods: Specifying the roles of ventromedial prefrontal cortex and dorsal anterior cingulate in object choice. *Journal of Neuroscience*. 26:11379-11386.

Bray S, Shimojo S, O'Doherty JP. 2010. Human medial orbitofrontal cortex is recruited during experience of imagined and real rewards. *Journal of Neurophysiology*. 103:2506-2512.

Brooks SJ, O'Daly OG, Uher R, Friederich H-C, Giampietro V, Brammer M, Williams SCR, Schiöth HB, Treasure J, Campbell IC. 2011. Differential neural responses to food images in women with bulimia versus anorexia nervosa. *PloS One*. 6:e22259.

Camara E, Rodriguez-Fornells A, Münte TF. 2009. Functional connectivity of reward processing in the brain. *Frontiers in Human Neuroscience*. 2:19.

Camara E, Rodriguez-Fornells A, Münte TF. 2010. Microstructural brain differences predict functional hemodynamic responses in a reward processing task. *Journal of Neuroscience*. 30:11398-11402.

Campbell-Meiklejohn DK, Bach DR, Roepstorff A, Dolan RJ, Frith CD. 2010. How the opinion of others affects our valuation of objects. *Current Biology*. 20:1165-1170.

Campbell-Meiklejohn DK, Woolrich MW, Passingham RE, Rogers RD. 2008. Knowing when to stop: The brain mechanisms of chasing losses. *Biological Psychiatry*. 63:293-300.

Caria A, Venuti P, de Falco S. 2011. Functional and dysfunctional brain circuits underlying emotional processing of music in autism spectrum disorders. *Cerebral Cortex*. 21:2838-2849.

Carlson JM, Foti D, Mujica-Parodi LR, Harmon-Jones E, Hajcak G. 2011. Ventral striatal and medial prefrontal BOLD activation is correlated with reward-related electrocortical activity: A combined ERP and fMRI study. *NeuroImage*. 57:1608-1616.

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Chambers ES, Bridge MW, Jones DA. 2009. Carbohydrate sensing in the human mouth: Effects on exercise performance and brain activity. *Journal of Physiology*. 587:1779-1794.

Chapin H, Jantzen K, Kelso JaS, Steinberg F, Large E. 2010. Dynamic emotional and neural responses to music depend on performance expression and listener experience. *PloS One*. 5:e13812.

Christakou A, Brammer M, Giampietro V, Rubia K. 2009. Right ventromedial and dorsolateral prefrontal cortices mediate adaptive decisions under ambiguity by integrating choice utility and outcome evaluation. *Journal of Neuroscience*. 29:11020-11028.

Chua HF, Gonzalez R, Taylor SF, Welsh RC, Liberzon I. 2009. Decision-related loss: Regret and disappointment. *NeuroImage*. 47:2031-2040.

Cikara M, Botvinick MM, Fiske ST. 2011. Us versus them: Social identity shapes neural responses to intergroup competition and harm. *Psychological Science*. 22:306-313.

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Cohen MX, Young J, Baek J-M, Kessler C, Ranganath C. 2005. Individual differences in extraversion and dopamine genetics predict neural reward responses. *Cognitive Brain Research*. 25:851-861.

Colibazzi T, Posner J, Wang Z, Gorman D, Gerber A, Yu S, Zhu H, Kangarlu A, Duan Y, Russell Ja, Peterson BS. 2010. Neural systems subserving valence and arousal during the experience of induced emotions. *Emotion*. 10:377-389.

Cooper JC, Hollon NG, Wimmer GE, Knutson B. 2009. Available alternative incentives modulate anticipatory nucleus accumbens activation. *Social Cognitive and Affective Neuroscience*. 4:409-416.

Cooper JC, Knutson B. 2008. Valence and salience contribute to nucleus accumbens activation. *NeuroImage*. 39:538-547.

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Crowley TJ, Dalwani MS, Mikulich-Gilbertson SK, Du YP, Lejuez CW, Raymond KM, Banich MT. 2010. Risky decisions and their consequences: Neural processing by boys with Antisocial Substance Disorder. *PloS One*. 5:e12835.

Davey CG, Allen NB, Harrison BJ, Dwyer DB, Yücel M. 2010. Being liked activates primary reward and midline self-related brain regions. *Human Brain Mapping*. 31:660-668.

Daw ND, O'Doherty JP, Dayan P, Seymour B, Dolan RJ. 2006. Cortical substrates for exploratory decisions in humans. *Nature*. 441:876-879.

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Delgado MR, Frank RH, Phelps EA. 2005. Perceptions of moral character modulate the neural systems of reward during the trust game. *Nature Neuroscience*. 8:1611-1618.

Delgado MR, Locke HM, Stenger Va, Fiez JA. 2003. Dorsal striatum responses to reward and punishment: Effects of valence and magnitude manipulations. *Cognitive, Affective & Behavioral Neuroscience*. 3:27-38.

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Delgado MR, Nystrom LE, Fissell C, Noll DC, Fiez JA. 2000. Tracking the hemodynamic responses to reward and punishment in the striatum. *Journal of Neurophysiology*. 84:3072-3077.

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Dreher J-C, Kohn P, Berman KF. 2006. Neural coding of distinct statistical properties of reward information in humans. *Cerebral Cortex*. 16:561-573.

Dreher J-C, Meyer-Lindenberg A, Kohn P, Berman KF. 2008. Age-related changes in midbrain dopaminergic regulation of the human reward system. *Proceedings of the National Academy of Sciences of the United States of America*. 105:15106-15111.

Elliott R, Newman JL, Longe OA, Deakin JFW. 2003. Differential response patterns in the striatum and orbitofrontal cortex to financial reward in humans: A parametric functional magnetic resonance imaging study. *Journal of Neuroscience*. 23:303-307.

Elliott R, Newman JL, Longe OA, Deakin JFW. 2004. Instrumental responding for rewards is associated with enhanced neuronal response in subcortical reward systems. *NeuroImage*. 21:984-990.

Engelmann JB, Damaraju E, Padmala S, Pessoa L. 2009. Combined effects of attention and motivation on visual task performance: Transient and sustained motivational effects. *Frontiers in Human Neuroscience*. 3:4.

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