

**Table S1: List of paintings used at Encoding and Discrimination stage collapsed by authors and motifs.**

Author	Title	Year
<b>Encoding stage</b>		
Baldung Grien, Hans	<i>The Three Graces</i>	c. 1540
Canova, Antonio	<i>The Three Graces Dancing</i>	c. 1799
Cranach, Lucas the Elder	<i>The Three Graces</i>	1535
Furini, Francesco	<i>The Three Graces</i>	c. 1633
Rubens, Peter Paul	<i>The Three Graces</i>	1639
Rafaello Sanzio	<i>The Three Graces</i>	1504
Rubens, Peter Paul	<i>Nature Adoring the Three Graces</i>	c. 1615
Botticelli, Sandro	<i>Primavera</i>	c. 1482
Tintoretto	<i>Mercury and the Graces</i>	c. 1576
Bronkhorst, Jan Gerritsz	<i>The Three Graces</i>	c. 1645
Moser, Koloman	<i>The Three Graces</i>	1905
Carle van Loo	<i>The Three Graces</i>	1763
Mathews, Arthur Frank	<i>Song of the Sea (Three Graces)</i>	c. 1909
Dali, Salvador	<i>Enchanted Beach With Three Fluid Graces</i>	1938
Delaunay, Robert	<i>La Ville de Paris</i>	1912
Scalbert, Jules	<i>The Three Graces dancing with Faun</i>	c. 1877
Janco, Marcel	<i>The Three Women in Malta</i>	1930
Fragonard, Jean_Honore	<i>The Three Graces</i>	1756
Etty, Wiliam	<i>Venus and Her Satellites</i>	1835
Picasso, Pablo	<i>Three woman</i>	1908
Botticelli, Sandro	<i>Judith Leaving the Tent of Holofernes</i>	c. 1495
Cairo, Francesco del	<i>Judith with Head of Holofernes</i>	c. 1645
Catena, Vincenzo	<i>Judith</i>	1520
Elsheimer, Adam	<i>Judith Beheading Holofernes</i>	1601
Gentileschi, Artemisia	<i>Judith and Her Maidservant</i>	c. 1614
Allori, Cristofano	<i>Judith with Head of Holofernes</i>	1613
Giorgione	<i>Judith</i>	c.1504

Riedel, August	<i>Judith</i>	1840
Rubens, Peter Paul	<i>Judith with Head of Holofernes</i>	c.1616
Tintoretto	<i>Judith and Holofernes</i>	c.1579
Tiziano	<i>Judith</i>	c. 1515
Klimt, Gustav	<i>Judith I</i>	1901
Valentin de Boulogne	<i>Judith</i>	c. 1626
Corot, Jean_Baptiste-Camille	<i>Judith</i>	c. 1872
Moser, Koloman	<i>Judith and Holofernes</i>	1916
Mellin, Charles	<i>Judith with Head of Holofernes</i>	1630
Piazzetta, Giovanni Battista	<i>Judith and Holofernes</i>	c. 1745
Cranach, Lucas the Elder	<i>Judith Victorious over Holofernes</i>	c. 1520
Carrachi, Agostino	<i>Judith</i>	c.1590
Stuck, Franz	<i>Judith</i>	1928
Renoir, Pierre-Auguste	<i>Large Bathers</i>	c. 1884
Seurant, Georges	<i>Bathers at Asnieres</i>	c. 1883
Bazille, Jean-Frederic	<i>Bathers (summer Scene)</i>	1869
Vernet, Claude-Joseph	<i>Landscape with Bathers</i>	1783
Cezanne, Paul	<i>Bathers Beneath a Bridge</i>	c. 1895
Coubert, Gustave	<i>The Bathers</i>	1853
Gauguin, Paul	<i>The Bathers</i>	1897
Fragonard, Jean-Honore	<i>The Bathers</i>	c. 1772
Carracci	<i>Landscape with Bathers</i>	1616
Cezanne, Paul	<i>The Large Bathers</i>	c. 1900
Kirchner, Ernst Ludwig	<i>Bathers at Mortizburg</i>	c. 1909
Cezanne, Paul	<i>Bathers</i>	c. 1872
Cezanne, Paul	<i>Bathers</i>	c. 1890
Andre Derain	<i>Bathers</i>	1907
Picasso, Pablo	<i>Bathers with Toy Boat</i>	1937
Picasso, Pablo	<i>Bathers</i>	1918
Picasso, Pablo	<i>Les Demoiselles d'Avignon</i>	1907
Walker, Frederick	<i>The Bathers</i>	c. 1866
Matisse, Henri	<i>Joy of Life</i>	c. 1905
Matisse, Henri	<i>Bathers with turtle</i>	1908
Leighton, Frederic	<i>Odalisque</i>	1862

Boucher, Francois	<i>Brown Odalisque</i>	1745
Delacroix, Eugene	<i>Odalisque</i>	1857
Ingres, Jean-Auguste-Dominique	<i>The Grand Odalisque</i>	1814
Renoir, Pierre-Auguste	<i>Odalisque</i>	1870
Matisse, Henri	<i>Odalisque, Harmony in Red</i>	c. 1926
Tanoux, Adrien Henri	<i>Odalisque</i>	1913
Schiovoni, Natale	<i>Odalisque</i>	1845
Matisse, Henri	<i>Odalisque</i>	1926
Picasso, Pablo	<i>The Great Odalisque (after Ingres)</i>	1907
Picou, Henri Pierre	<i>Odalisque</i>	1858
Picasso, Pablo	<i>Woman of Algier (Version N)</i>	1955
Picasso, Pablo	<i>Jacqueline in Turkish Dress</i>	1955
Corot, Jean_Baptiste-Camille	<i>The Roman Odalisque</i>	1843
Fabbi, Fabio	<i>Girls of the Harem</i>	c. 1906
Delacroix, Eugene	<i>The Women of Algiers in Their</i>	1834
Jonghe, Gustave Leonard	<i>A reclining Odalisque</i>	c. 1870
Fortuny, Maria	<i>The Odalisque</i>	1861
Lefebvre, Jules Joseph	<i>Odalisque</i>	1874
Bukovac, Vlaho	<i>Odalisque</i>	1882
Botticelli, Sandro	<i>The Birth of Venus</i>	1486
Cabanel	<i>The Birth of Venus</i>	1683
Fauconnet, Guy Pierre	<i>Venus</i>	1919
Titian	<i>The Venus of Urbino</i>	1538
Picasso, Pablo	<i>Nude woman with Necklece</i>	1968
Cranach, Lucas the Elder	<i>Cupid Complaining to Venus</i>	1525
Sustris, Lambert	<i>Venus and Love</i>	1550
Matisse, Henri	<i>Venus</i>	1952
Rosetti, D. G.	<i>Venus</i>	c. 1863-
Velazques, Diego	<i>Venus at her Mirror</i>	1601
Gossart, Jan	<i>Venus</i>	c. 1521
Rubens, Peter Paul	<i>Venus at a Mirror</i>	c. 1615
Modigliani, Amadeo	<i>Venus-Maja</i>	1917
Rembrandt van Rijn	<i>Hendrickje Stoffels as Venus</i>	1662

Albani, Francesco	<i>Venus Attended by Nymphs and Cupids</i>	1633
Bollandt, Heinrich	<i>Venus and Amor</i>	c. 1520
Lambert, Sustris	<i>Venus and Love</i>	1550
Boucher, Francois	<i>The Triumph of Venus</i>	1740
Ingres, Jean-Auguste-Dominique	<i>Venus Anadyamene</i>	c. 1825
Dali, Salvador	<i>Venus Binding Cupids</i>	1925
<b>Discrimination stage</b>		
Aachen, Hans von	<i>The three Graces</i>	1604
Bisson, Eduard	<i>The Three Graces</i>	1899
Bouvier, Jules Augustus	<i>The Three Graces</i>	1875
Cranach, Lucas the Elder	<i>The Three Graces</i>	1531
Delaunay, Robert	<i>The Three Graces</i>	1912
Frost, William	<i>The Three Graces</i>	c. 1854
Picasso, Pablo	<i>The Three Graces</i>	1908
Picasso, Pablo	<i>The Three dancers</i>	1925
Vernon, Emile	<i>The Three Graces</i>	1917
Rubens, Peter Paul	<i>The Three Graces</i>	1620
Botticelli, Sandro	<i>Primavera</i>	c. 1482
Bronchorst, Jan Gerritsz	<i>The Three Graces</i>	c. 1645
Dali, Salvador	<i>Enchanted Beach With Three Fluid Graces</i>	1938
Etty, Wiliam	<i>Venus and Her Satellites</i>	1835
Furini, Francesco	<i>The Three Graces</i>	c. 1633
Janco, Marcel	<i>The Three Women in Malta</i>	1930
Mathews, Arthur Frank	<i>Song of the Sea (Three Graces)</i>	c. 1909

Picasso, Pablo	<i>Three woman</i>	1908
Rubens, Peter Paul	<i>The Three Graces</i>	c. 1615
Tintoretto	<i>Mercury and the Graces</i>	c. 1576
Botticelli, Sandro	<i>The return Judith to Bethulia</i>	1427
Carravagio	<i>Judith Beheadinng Holofernes</i>	c.1598
Cranach, Lucas the Elder	<i>Judith Victorious</i>	c.1530
Gentileschi, Artemisia	<i>Judith and Holofernes</i>	1620
Goya, Francisco	<i>Judith and Holofernes</i>	1819
Klimt, Gustav	<i>Judith II</i>	1909
Lama, Gulia	<i>Judith and Holofernes</i>	1730
Vasari, Giorgio	<i>Judith and Holofernes</i>	c. 1554
Bray, Salomon de	<i>Judith Delivering the Head of Holofernes</i>	1636
Vermeyen, Jan Cornelisz	<i>Judith with Head of Holofernes</i>	c. 1525
Botticelli, Sandro	<i>Judith Leaving the Tent of Holofernes</i>	c. 1495
Cairo, Francesco del	<i>Judith with Head of Holofernes</i>	c. 1645
Corot, Jean_Baptiste-Camille	<i>Judith</i>	c. 1872
Giorgione	<i>Judith</i>	c.1504
Moser, Koloman	<i>Judith and Holofernes</i>	1916
Mellin, Charles	<i>Judith with Head of Holofernes</i>	1630
Riedel, August	<i>Judith</i>	1840
Piazzetta, Giovanni Battista	<i>Judith and Holofernes</i>	c. 1745
Stuck, Franz	<i>Judith</i>	1928

Valentin de Boulogne	<i>Judith</i>	c. 1626
Picasso, Pablo	<i>Bathers in Forest</i>	1908
Wouwerman, Philips	<i>Landscape with Bathers</i>	c.1660
Cezanne, Paul	<i>Bathers</i>	1892
Gaugini, Paul	<i>Bathers at Tahiti</i>	1897
Kirchner, Ernst Ludwig	<i>Three Bathers</i>	1913
Peter, Jean Baptiste Joseph	<i>The Bathers</i>	c. 1721
Preisler, Jan	<i>Bathers</i>	1912
Renoir, Pierre-Auguste	<i>The Bathers</i>	1918
Seurat, Georges	<i>Study for Bathers at Asnieres</i>	1883
Cezanne, Paul	<i>Bathers</i>	c. 1900
Bazille, Jean-Frederic	<i>Bathers (Summer Scene)</i>	1869
Carracci	<i>Landscape with Bathers</i>	1616
Cezanne, Paul	<i>The Large Bathers</i>	c. 1900
Fragonard, Jean-Honore	<i>The Bathers</i>	c. 1772
Walker, Frederick	<i>The Bathers</i>	c. 1866
Gaugini, Paul	<i>The Bathers</i>	1897
Matisse, Henri	<i>Joy of Life</i>	c. 1905
Picasso, Pablo	<i>Bathers with Toy Boat</i>	1937
Picasso, Pablo	<i>Bathers</i>	1918
Courbet, Gustave	<i>The Bathers</i>	1853
Boucher, Francois	<i>Blond Odalisque</i>	1752
Ingres, Jean-Auguste-Dominique	<i>Odalisque with slave</i>	1842

Matisse, Henri	<i>Odalisque with a Green Plant and Screen</i>	1923
Matisse, Henri	<i>Reclining Odalisque</i>	1926
Picasso, Pablo	<i>Femmes d'Alger</i>	1955
Renoir, Pierre-Auguste	<i>Parisian Women in Agerian Costume</i>	1872
Tanoux, Adrien Henri	<i>Odalisque</i>	1904
Weisz, Adolphe	<i>Odalisque</i>	1884
Gervex, Henri	<i>Odalisque</i>	1882
Renoir, Auguste	<i>Reclining Odalisque</i>	c. 1917
Bukovac, Vlaho	<i>Odalisque</i>	1882
Corot, Jean_Baptiste-Camille	<i>The Roman Odalisque</i>	1843
Delacroix, Eugene	<i>The Women of Algiers in Their</i>	1834
Ingres, Jean-Auguste-Dominique	<i>The Grand Odalisque</i>	1814
Lefebvre, Jules Joseph	<i>Odalisque</i>	1874
Leighton, Frederic	<i>Odalisque</i>	1862
Picasso, Pablo	<i>Jacqueline in Turkish Dress</i>	1955
Picasso, Pablo	<i>The Great Odalisque (after Ingres)</i>	1907
Picou, Henri Pierre	<i>Odalisque</i>	1858
Schiovoni, Natale	<i>Odalisque</i>	1845
Amaury, Duval	<i>La Naissance de Venus</i>	1862
Bouguereau, A.	<i>The Birth of Venus</i>	1879
Picasso, Pablo	<i>Venus et L'Amour</i>	1957
Giorgione	<i>Sleeping Venus</i>	c. 1510
Titian	<i>Venus and Music</i>	1547

Rubens, Peter Paul	<i>Venus Frigida</i>	1614
Girodet de Roucy-Trison, Louis	<i>Mademoiselle Lange as Venus</i>	1798
Tintoretto	<i>Venus, Mars and Vulcan</i>	c. 1551
Carracci	<i>Sleeping Venus</i>	c. 1602
Poussin, Nicholas	<i>Venus and Satyr</i>	1626
Boucher, Francois	<i>The Triumph of Venus</i>	1740
Dali, Salvador	<i>Venus Binding Cupids</i>	1925
Fauconnet, Guy Pierre	<i>Venus</i>	1919
Gossart, Jan	<i>Venus</i>	c. 1521
Matisse, Henri	<i>Venus</i>	1952
Modigliani, Amadeo	<i>Venus-Maja</i>	1917
Picasso, Pablo	<i>Nude woman with Necklace</i>	1968
Rembrandt van Rijn	<i>Hendrickje Stoffels as Venus</i>	1662
Rubens, Peter Paul	<i>Venus at a Mirror</i>	c. 1615
Sustris, Lambert	<i>Venus and Love</i>	1550

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*Note.* In fourth column is shown motif categories (1 = *Three Graces*, 2 = *Judith*, 3 = *Bathers*, 4 = *Odalisque*, 5 = *Venus*).