Bulletin of Studies

宋遼金元

SUNG-YÜAN

17

A FINDING LIST FOR CHINESE, JAPANESE, AND WESTERN-LANGUAGE ANNOTATION AND TRANSLATION OF YÜAN HAO-WEN'S POETRY

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The Finding List includes the following:

An alphabetical list of annotators, translators, and authors of articles analyzed, with entry letter(s) or number(s)
A list of nien-p'u for Yüan Hao-wen (not analyzed)
Lists of works analyzed (generally arranged chronologically):
Latin letters (Works in Chinese)
General works (and Works on Tz'u [not analyzed])
Works on Yüan Hao-wen's series of poems on poetry
Greek letters (Works written in Japanese or by Japanese)
Arabic numerals (Works in Western languages)
Works devoted to Yüan Hao-wen
Additional works
A list of unidentified titles and passages
The finding list proper:
Poems #001-#1366 [including the following highlighted series:]
"Thirty Poems on Poetry" (#766-795)
Five Chung-chou chi Postface-Poems (#1103-1107) and "Three Poems on Poetry" (#1263-1265)

Yüan Hao-wen's poems are numbered sequentially.
Corresponding page numbers are given for the following two texts, both of which include the commentary by Shih Kuo-ch'i 施國祁, first published in 1822:

1958 Yüan I-shan shih-chi chien-chu 元遺山詩集箋注, Mai Ch'ao-shu 麦朝枢, ed., Peking 1958 (rpt. Taipei 1964, 1978)
SPPY Yüan I-shan shih chien-chu 元遺山詩箋注, Ssu-pu pei-yao 四部備要, 1930.

The following are conventions followed in the finding list proper:

A plain page number indicates that a poem is either cited in full and commented upon, or is translated in full.

Parentheses ( ) indicate that a poem is cited or translated only in part; commentary on the poem in such cases can be more or less extensive.

Brackets [ ] indicate that although a poem is not quoted either in whole or in part, it is referred to.

Pointed brackets < > indicate that although a poem is cited in full (or in part--<( )>--), there is no commentary.

An asterisk * indicates reference to the following poem series.

*Calligraphy by Eugenia Y. Tu, Arizona State University.
Ronald Egan, Harvard University, helped photocopy recent material.
Center for Asian Studies, Ariz. State Univ., rendered assistance.

An Alphabetical List of Annotators, Translators, and Authors of Articles Analyzed in This List, with Entry Letter(s) or Number(s)

A Latin letter, Greek letter, or Arabic number indicates the entry in the Chinese-, Japanese-, or Western-language list of texts used

Additional letter codes:

NA Not available; see pp. h, k, l, and o
(also used to indicate a text unavailable to compiler).

TP Title page; see title page of finding list, pg. a.

NP Nien-p'u compiler; see list of nien-p'u, pg. d.

Tz'u Work on tz'u; see pg. h.

UT Unidentified text; see list of such texts on pg. r.

Budd, Charles 5

Bush, Susan 13,17,19

Cha Shen-hsing A

Chan Cham-chuen
see Ch'en Chan-ch'üan

Chan Hok-lam 18,(NP),NA

Chang I-sun G

Chao I Q

Chao T'ing-p'eng W

Ch'en Chan-ch'üan BP,NA

Ch'en Chung-fan H

Ch'en Hsüeh-lin
see Chan Hok-lam

Ch'en Shih-ch'ing AC

Ch'en Shou-Yi 10

Ch'eng Ch'ien-fan U

Chiang Ying-lung V

Chi-fu NA

Chien-lu NA

Ch'ien Chung-lien BM

Ch'ien Chung-shu E

Chu Tung-jun L,BD

Ch'ü Ching-chou S

Cram, Richard Anthony 3

Davis, A.R. 16

Demiéville, Paul 11

Fang Hsiao-yüeh BE

Fang Tsu-shen J

Fedorenko, N.T. 8

Feng Shu-lan
see Feng Yuan-chen

Feng Yuan-chen 24

Fu Keng-shun BG,BI

Fujita Kempō αβ

Funatsu Tomihiko αγ

Geil, William Edgar 4

Go Mo-zho 8

Graham, A.C. 14

Guillermaz, Patricia 9

Hackney, Louise Wallace UT

Hao Shu-hou I,I*

Ho San-pen BR

Ho Wai-kam 15

Hsia Ching-kuan F,NP

Hsu Sung-nien 6

Hsü K'un AA
Huang Hai-chang BF
Huang Shih-chien AD
Iritani Sensuke π, φ
Josephs, Hilary K. 27
Kakiuchi Keigin (Yasusada) αα
Komatsu Naonoshin α Kao Keng-en NA
Kondō Mitsuo αε
Kotewall, Robert 12
Ku K'uei-kuang B
Kuo Mo-jo
see Go Mo-zho
Kuo Shao-yü BC,BT,BU
Langlois, John D. Jr. 32
Li Kuan-li M
Li Kuang-t'ing NP
Li Yen BV
Liang Jung-jo T
Lin Hsüeh-kuang αλ Lin Ming-te AE
Lin Po BK
Ling T'ing-kan NP
Liu Jen BL
Liu Ta-chieh N
Lo, Irving Y. 22
Maeno Naoaki ω
Mai Ch'ao-shu TP
Miao Yüeh NP, Tz'u
Nakamura Yoshihiro ξ, αξ, αμ, αφ, NA
Oguri Eiichi λ, NP
Ōmachi Keigetsu αβ
Otagi Matsuo ψ
Owen, Stephen 30
Pei-ching ta-hsüeh
Chung-wen hsi P
P'i Shu-min BQ
Rickett, Adele Austin 29
Ridley, Charles P. 33
Saku Setsu δ
Sasegawa Rimpū (Taneo) αβ
Satō Haruo β
Satō Tamotsu απ
Seikyōsha dōjin γ Shen Tsu-fen Tz'u
Shih Kuo-ch'i TP,NP
Shirakawa, Riyō αβ
Siao Che-kiun 11
Smith, Norman L. 12
Su Wen-kuan 2
Sun K'o-k'uan Y
Sun, Philip S.Y. 25
Suzuki Shūji μ, αδ, NP
Suzuki Torao ε
Tai Hung-sen BH
Tanabe Matsuzaka γ
T'ao Yü-ho B
Taoka Ryōun αβ
Terada Takunobu ψ
Ting Yen NP
Ting Ying K
Tsen Tsong-ming 7
Tseng Kuo-fan C
Tsung T'ing-fu BB
Tu Ching-I 26
Uemura Baiken γ Vjatkin, R. Tz'u
Wang Li-ch'ing BS
Wang Shao-sheng BN
Wang Wen-ju D
Wang Wen-sheng BU
Wang Yung-hsiang R
Weng Fang-kang BA,NP
West, Stephen 1,20,21,23
Wixted, John Timothy 28
Wu Keng-shun BJ
Wu Mei-yü AB

Wu T'ien-jen X,Z
[also (X), between BE & BF]
Yau Chang-foo UT
Yoshikawa Kōjirō θ,αθ
Yu, Anthony 31
Yü Chi NP

Nien-p'u for Yüan Hao-wen

(Poem references not analyzed in this finding list)

1796 Weng Fang-kang 翁方綱, "Yüan I-shan hsien-sheng nien-p'u" 元遺山先生年譜, in I-shan hsien-sheng chi 遺山先生集, 1850 ed., ts'e 10.

1796 Ling T'ing-kan 凌廷堪, "Yüan I-shan hsien-sheng nien-p'u" 元遺山先生年譜, in I-shan hsien-sheng chi 遺山先生集, 1850 ed., 2 pts., ts'e 9-10.

1822 Shih Kuo-ch'i 施國祁, "Yüan I-shan ch'üan-chi nien-p'u" 元遺山全集年譜, in Mai Ch'ao-shu 麦朝枢, ed., Yüan I-shan shih-chi chien-chu 元遺山詩集箋注, Peking 1958, pp. 35-60.

1830 Yü Chi 余集, "I-shan hsien-sheng nien-p'u lüeh" 遺山先生年譜畧, appended to Yüan Hao-wen's Hsü i-chien chih 續夷堅志 in Te-yüeh-i ts'ung shu ch'u-k'o shih-chung 得月簃叢書初刻十種, 1830.

1866 Li Kuang-ting 李光廷, "Kuang Yüan I-shan nien-p'u" 廣元遺山年譜, in Shih-yüan ts'ung-shu 適園叢書, 2 pts., ts'e 169-70.

1935 Miao Yüeh 繆鉞, "Yüan I-shan nien-p'u hui-tsuan" 元遺山年譜彙纂, Kuo-feng yüeh-k'an 國風月刊, 2 pts., 7.3 (Oct. 1935), pp. 1-74 and 7.5 (Dec. 1935), pp. 1-59.

1940 Hsia Ching-kuan 夏敬觀, "Nien p'u" 年譜, Yüan Hao-wen shih 元好問詩, Changsha 1940, 20 pp. (sep. pagination).

1963 Oguri Eiichi 小栗英一, "Gen Kōmon nenpu" 元好問年譜, Gen Kōmon 元好問, Tokyo 1963, pp. 167-75.

1965 Suzuki Shūji 鈴木修次, "Gen Kōmon nenpu" 元好問年譜, Gen Kōmon 元好問, Tokyo 1965, pp. 321-41.

There is also an unpublished nien-p'u by Ting Yen (1794-1875) 丁晏. See Ch'en Hsüeh-lin [Chan Hok-lam] 陳學霖, "Yüan I-shan chu-shu k'ao" 元遺山著述考, Hsiang-kang ta-hsüeh Chung-wen hsüeh-hui 香港大學中文學會 1960, pp. 21-44; pg. 44.

Lists of Works Analyzed

Latin letters (Works in Chinese):

General works:

A Cha Shen-hsing (1650-1727) 查慎行, "(Ch'u-po an) Shih-p'ing" (初白菴) 詩評, in Cha Ch'u-po shih-erh-chung shih-p'ing 查初白十二種詩評, Shanghai Min-kuo ed. (n.d.); 中卷 64b-78b.

B T'ao Yü-ho 陶玉禾, appended notation to a 1751 ed. of Ku K'uei-kuang 顧奎光, Chin-shih hsüan 金詩選 (rpt. 1836); ch. 4.

C Tseng Kuo-fan (1811-72) 曾國藩, (P'ing-tien yin-chu) Shih-pa-chia shih-ch'ao (評點音注) 十八家詩鈔, Taipei 1966 facs. rpt. of an unidentified ed.; ch. 25.29a-54a (sequential numbering pp. 2329-79).

D Wang Wen-ju 王文濡, Sung-Yüan-Ming-shih p'ing-chu tu-pen 宋元明詩評注讀本, Shanghai 1916 (Taipei 1962); passim.

E Ch'ien Chung-shu 錢鍾書, T'an-i lu 談藝錄, (Shanghai 1937 or 1948) Hong Kong 1965; pp. 182 & 185.

F Hsia Ching-kuan 夏敬觀, Yüan Hao-wen shih 元好問詩, Changsha 1940.

G Chang I-sun 章莫蓀, Liao-Chin-Yüan shih-hsüan 遼金元詩選, Hong Kong 1958; pp. 90-95.

H Ch'en Chung-fan 陳中凡, "Yüan Hao-wen chi ch'i sang-luan shih" 元好問及其喪乱詩, Wen-hsüeh yen-chiu 文学研究 1 (1958), pp. 79-85.

I Hao Shu-hou 郝樹侯, Yüan Hao-wen shih-hsüan 元好問詩選, Peking 1959. (Pp. 110-29: rev. rpt. of I*: Shan-hsi shih-fan hsüeh-yüan hsüeh-pao 山西師範学院学報 1958/2, 83-91.)

J Fang Tsu-shen 方祖燊, Annotator of Yüan Hao-wen poems in Ku-chin wen-hsüan 古今文選 #256 (8.27.1956), pp. 1-3.

K Ting Ying 丁嬰, Chung-kuo li-tai shih-hsüan 中國歷代詩選, Hong Kong 1960; pp. 813-19. (Reproduces verbatim,

without attribution, the same commentary on the same poems as found in Chang I-sun [see above].)

L Chu Tung-jun 朱東潤, Chung-kuo li-tai wen-hsüeh tso-p'in hsüan 中國歷代文學作品選, Hong Kong 1969? (Shanghai 1979); pp. 849-55.

M Li Kuan-li 李冠禮, Shih-jen Yüan I-shan yen-chiu 詩人元遺山研究, Taipei 1975.

N Liu Ta-chieh 劉大杰, "Pei-kuo shih-jen Yüan Hao-wen" 北國詩人元好問, (Vol. 2) Chapter 7, Chung-kuo wen-hsüeh fa-ta (fa-chan) shih 中國文學發達(發展)史, (Shanghai 1956; 1957-58) Taipei 1966, 2 vols. (also in 3- and 1-vol. eds.); vol. 2, pp. 171-74.

P Pei-ching ta-hsüeh Chung-wen hsi 北京大学中文系, "Yüan Hao-wen 元好問, Pt. 5, Chap. 9, Sect. 2, Chung-kuo wen-hsüeh shih 中国文学史, Peking 1959, vol. 2, pp. 540-43.

Q Chao I (1727-1814) 趙翼, Ou-pei shih-hua 甌北詩話, Peking 1963 ed.; ch. 8, pp. 117-24.

R Wang Yung-hsiang 王永祥, "Yüan I-shan shih-chi chiao-k'an chi" 元遺山詩集校勘記, Tung-pei ts'ung-chüan 東北叢鐫 18 (1931), pp. 1-48.

S Ch'ü Ching-chou 瞿荆洲, "Tu I-shan shih hsiao-chi" 讀遺山詩小記, Min-chu p'ing-lun 民主評論 7.14 (July 1956), pp. 25-26.

T Liang Jung-jo 梁若容, "Yüan Hao-wen sheng-p'ing yü chu-tso" 元好問生平與著作, Ku-chin wen-hsüan 古今文選 #256 (8.27.1956), pp. 3-4.

U Ch'eng Ch'ien-fan 程千帆, "Tui yü Chin-tai tso-chia Yüan Hao-wen ti i-erh li-chieh" 对于金代作家元好問的一二理解, Wen shih che 文史哲 1957/6, pp. 1-5.

V Chiang Ying-lung 江應龍, "Yüan Hao-wen" 元好問, in Chang Ch'i-yün 張其昀, ed., Chung-kuo wen-hsüeh shih lun-chi 中國文學史論集, Vol. 3, Taipei 1958, 729-53.

W Chao T'ing-p'eng 赵廷鵬, "Chien-p'ing Yüan Hao-wen shih-hsüan" 簡評《元好問詩选》(by Hao Shu-hou [see above]), "Wen-hsüeh i-ch'an" 文学遺産 #311, Kuang-ming jih-pao 光明日報 5.1.1960.

X Wu T'ien-jen 吳天任, Yüan I-shan p'ing-chuan 元遺山評傳, n.p. [Hong Kong], n.d. [postface dated 1963], 84 pp.; rpt. as article with same title in Chung-kuo shih chi-k'an 中國詩季刊 8.2 (July 1977), pp. 1-84.

Y Sun K'o-k'uan 孫克寬, "Yüan I-shan ch'i jen ch'i shih" 元遺山其人其詩, in Idem., Shih yü shih-jen 詩與詩人, Taipei 1965, pp. 111-17; rpt. in Chung-kuo shih chi-k'an 中國詩季刊 9.1 (March 1978), pp. 36-41.

Z Wu T'ien-jen 吳天任, "I-shan hsüan Ts'ui Li pei i-an" 遺山撰崔立碑疑案, Ta-lu tsa-chih 大陸雜誌 30.5 (March 1965), pp. 147-52.

AA Hsü K'un 續琨, Yüan I-shan yen-chiu 元遺山研究, Taipei 1974.

AB Wu Mei-yü 吳美玉, "Yüan I-shan shih yen-chiu" 元遺山詩研究, Yu-shih hsüeh-chih 幼獅學誌 12.1 (June 1974), pp. 1-49; except for the section pp. 32-38 (on Yüan Hao-wen's place in the Chin literary scene) and for the footnotes, rpt. in Chung-kuo shih chi-k'an 中國詩季刊 9.1 (March 1978), pp. 42-81, with minor variations.

AC Ch'en Shih-ch'ing 陳石慶, "Yüan I-shan shih hsüeh yen-chiu" 元遺山詩學研究, M.A. thesis, Fu-jen Univ. 輔仁大學中國文學研究所碩士論文, 1977, vii, 234 pp.

AD Huang Shih-chien 黄时鉴, "Yüan Hao-wen yü Meng-ku-kuo kuan-hsi k'ao-pien" 元好問与蒙古国关系考辨, Li-shih yen-chiu 历史研究 1981.1, pp. 127-40.

AE Lin Ming-te 林明德, Chin-tai wen-hsüeh p'i-p'ing tzu-liao hui-pien 金代文學批評資料彙編, (Chung-kuo wen-hsüeh p'i-p'ing tzu-liao hui-pien #5) Taipei 1979; pp. 147-64.

NA Chien-lu 蔺廬, "Yüan I-shan ch'i jen ch'i shih" 元遺山其人其詩, Ch'ang-liu pan-yüeh k'an 暢流半月刊 1.14 (August 1956?).

NA Ch'en Chan-ch'üan [Chan Cham-chuen] 陳湛銓, "I-shan hsien-sheng shu-chuan" 遺山先生述傳, Kuang-chou hsüeh-pao 廣州學報 March 1959.

Works on Tz'u (not analyzed):

Miao Yüeh 繆鉞, "I-shan yüeh-fu pien-nien hsiao-chien" 遺山樂府編年小箋, Tz'u-hsüeh chi-k'an 詞學季刊, 2 pts., 3.2 (June 1936), pp. 67-82 and 3.3 (Sept. 1936), pp. 98-106.

Shen Tsu-fen 沈祖棻, "Tu 'I-shan yüeh-fu'" 讀遺山樂府, Wen-hsüeh i-ch'an tseng-k'an 文学遺產增刊 (Peking) 11 (1962), pp. 111-19. Notice by R. Vjatkin, Revue bibliographique de Sinologie 8 (1962), #539.

Works on Yüan Hao-wen's series of poems on poetry:

BA Weng Fang-kang (1733-1818) 翁方綱, "Yüan I-shan 'Lun-shih san-shih shou'" 元遺山論詩三十首, Shih-chou shih-hua 石洲詩話, Yüeh-ya-t'ang ts'ung-shu 粵雅堂叢書, ch. 7.

BB Tsung T'ing-fu (b. 1825) 宗廷輔, "Ku-chin lun-shih chüeh-chü" 古今論詩絕句 in Tsung Yüeh-chu hsien-sheng i-chu pa-chung 宗月鋤先生遺著八種, 1917 ed.; 8a-18a.

BC Kuo Shao-yü 郭紹虞, "Yüan I-shan lun-shih chüeh-chü" 元遺山論詩絕句, Wen-hsüeh nien-pao 文學年報 2 (1936), pp. 5-14. Except for the opening paragraph, reprinted verbatim as "Yüan Hao-wen" 元好問, Vol. 2, Chap. 3, Sect. 3, Chung-kuo wen-hsüeh p'i-p'ing shih 中國文學批評史, (Shanghai 1947) Tainan 1974, vol. 2, pp. 100-112; also, except for the opening paragraph, reprinted as "Yüan Hao-wen lun-shih chüeh-chü" 元好問論詩絕句, Chap. 49, Chung-kuo wen-hsüeh p'i-p'ing shih 中國文學批評史, (Shanghai 1955) Hong Kong n.d., [1-vol. ed.] pp. 258-69. [Pagination here follows the lattermost text.]

BD Chu Tung-jun 朱東潤, "Yüan Hao-wen" 元好問, Chapter 40, Chung-kuo wen-hsüeh p'i-p'ing ta-kang 中國文學批評大綱, Chungking 1944, pp. 209-213.

BE Fang Hsiao-yüeh 方孝岳, "Yüan I-shan i pei-jen pei-ko k'ang-k'ai chih feng chiu nan-jen chih shih" 元遺山以北人悲歌慷慨之風救南人之失, Chapter 34, Chung-kuo wen-hsüeh p'i-p'ing 中國文學批評, Shanghai 1944 (Taipei 1971), pp. 96-101.

(X) Wu T'ien-jen 吳天任, "Yüan I-shan lun-shih ti t'e-shih" 元遺山論詩的特識, Min-chu p'ing-lun 民主評論 7 (1956), pp. 473-76. Except for alteration of the first paragraph and the addition of two short paragraphs of discussion at the end, reprinted almost verbatim in Yüan I-shan p'ing-chuan, pp. 31-44 (see entry X above).

BF Huang Hai-chang 黃海章, "Chin-tai ti wen-hsüeh p'i-p'ing" 金代的文学批評, Chap. 9, Chung-kuo wen-hsüeh p'i-p'ing chien-shih 中国文学批評简史, Kwangchow 1962, pp. 150-58.

BG Fu Keng-sheng 傅庚生, "T'an Tu shih chih ch'en pao--k'uang pai-shih erh chih-yin" 探杜詩之琛宝一曠百世而知音, "Wen-hsüeh i-ch'an" 文学遺産 #410, Kuang-ming jih-pao 廣明日報 4.15.1962.

BH Tai Hung-sen 戴鴻森, "Tu-che lai-hsin" 讀者來信, "Wen-hsüeh i-ch'an" 文学遺産 #419, Kuang-ming jih-pao 廣明日報 6.17.1962.

BI Fu Keng-sheng 傅庚生, "Shih tsai shen-lun 'Fan-shan' ho 'hsien-ku'--chien ta Tai Hung-sen hsien-sheng" 試再申論飯山和閑骨一兼答戴鴻森先生, "Wen-hsüeh i-ch'an" 文学遺産 #433, Kuang-ming jih-pao 廣明日報 9.23.1962.

BJ Wu Keng-shun 吳庚舜, "Lüeh-lun Yüan Hao-wen ti shih-lun" 略論元好問的詩論, "Wen-hsüeh i-ch'an" 文学遺産 #470, Kuang-ming jih-pao 廣明日報 7.19.1964.

BK Lin Po 林伯, "'Hao-hua lo chin chien chen-ch'un'" 豪華落盡見真淳, Liao-ning jih-pao 遼寧日報 9.12.1962; NA.

BL Liu Jen 劉仁, "'Chen-ch'un' chih-i chi ch'i t'a" 真淳質疑及其他, Liao-ning jih-pao 遼寧日報 12.19.1962; NA.

BM Ch'ien Chung-lien 錢仲聯, "Yüan Hao-wen 'Lun-shih san-shih shou'" 元好問論詩三十首, I-lin ts'ung-shu 藝林叢書 (Hong Kong) 6 (1966), pp. 117-20.

BN Wang Shao-sheng 王韶生, "Yüan I-shan 'Lun-shih san-shih shou' chien-shih" 元遺山論詩三十首箋釋, Ch'ung-chi hsüeh-pao 崇基學報 5.2 (1966), pp. 195-205.

BP Ch'en Chan-ch'üan [Chan Cham-chuen] 陳湛銓, "Yüan I-shan lun-shih chüeh-chü chiang-su (Shang)" 元遺山論詩絶句

講疏 (上), Hsiang-kang Ch'in-hui hsüeh-yüan hsüeh-pao 香港浸會學院學報 3.1 (1968), pp. 1-47.

BQ P'i Shu-min 皮述民, "Yüan Hao-wen lun-shih chüeh-chü hsi-lun" 元好問論詩絕句析論, Nan-yang ta-hsüeh hsüeh-pao 南洋大學學報 3 (1969), pp. 78-82.

BR Ho San-pen 何三本, "Yüan Hao-wen 'Lun-shih chüeh-chü san-shih shou' chien-cheng" 元好問論詩絕句三十首箋證, Chung-hua wen-hua fu-hsing yüeh-k'an 中華文化復興月刊: 4 pts.

I: #72 (March 1974), 21-30
II: #73 (April 1974), 40-52
III: #74 (May 1974), 52-62
IV: #75 (June 1974), 44-53

BS Wang Li-ch'ing 王禮卿, I-shan lun-shih ch'üan-cheng 遺山論詩詮證, Taipei 1976.

BT Kuo Shao-yü 郭紹虞, Tu Fu 'Hsi wei liu chüeh-chü' chi-chieh Yüan Hao-wen 'Lun-shih san-shih shou' hsiao chien 杜甫戲為六絕句集解 元好問論詩三十首小箋, Peking 1978; pp. 55-98.

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Note that only those Greek letters not easily confused with Latin ones are used for the entries above.

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I126 ℓ 12, Q119 ℓ 2, Q119 ℓ 2, AA17 ℓ 18, AA86 ℓ 10, AA102 ℓ 7, AA147 ℓ 7, AB42 ℓ 12,

AC47 ℓ 1, AC47 ℓ 2, AC47 ℓ 3, AC47 ℓ 13, AC47 ℓ 14, AC214 ℓ 7, BV264 ℓ 24

δ163 ℓ 7, αβ120 ℓ 2, αβ138 ℓ 11, αβ138 ℓ 12, αε19 ℓ 17, αφ730 ℓ 17

② 7 ℓ 12, ② 18 ℓ 33, ⓣ 118 ℓ 4, ⓣ 118 ℓ 19, ⓣ 118 ℓ 22, ⑨ 215 ℓ 3, ⑨ 215 ℓ 8

#001-060

#	1958	SPPY										
001	065	1.1a	AA(111)									
2	066	1.2a										
3	069	1.4a	M(131)	AC(21)	μ(167)	αB28	8v(246)	AA<157>				
4	071	1.4b	αB30									
5	073	1.6a	A64b	D19a	H(80)	α上2a	③83	28[364]	I(118)	M[76]	M(122)	see'ap'
6	074	1.6b	α上2a	③139	AB(41)	AC[47]						
7	075	1.7b	α上2b	AC[47]								
8	075	1.7b	α上30a	AC[48]	μ(108)							
9	076	1.8a	F1	I44	α上2b	ω145	③[31]	18[52 n 42]		29(41)	2b(2)	see'ap'
010	077	1.9a	F2	I31	α上12a	μ123	②(13)	③103	M109	AB(11)	AB[42]	see'ap'
1	078	1.9a	A64b	F2	I37	α上14a	μ141	①32	②(12)	③127	M118	see'ap'
2	079	1.9b	F3	α上4b	28[364]	M[76]	R(1)	S394	T[4]	W[V]	Y[37]	see'ap'
3	080	1.10a	A64b	F5	α上4b	R(2)	αα上1b	X8	X[10]			
4	081	1.11b	A64b	R(2)	AC[186*]	μ[63*]	μ[99*]	μ[242*]	αα上1b			
5	082	1.11b	A64b	αα上2a								
6	082	1.11b	A64b	AC(192)	αα上2a							
7	082	1.12a	A64b	αα上2a								
8	082	1.12a	A65a	AB(42)	α上2b							
9	083	1.12a	F6	μ80	②8	③[43]	③(47)	③50	R(2)	M89	28[432]	see'ap'
020	083	1.12b	A65a	F6	R(2)	μ(83)	μ(237)					
1	084	1.13a	A65a	α上13a	S394	AC[49]						
2	085	1.13a	18[183 n 69]		R(2)	αB10	AA(38)	AA(128)				
3	085	1.13b	18[183 n 69]		AA(38)	AA(128)						
4	086	1.14a	A65a	α上9a	18[183 n 69]		M(122)	S394	AC(34)	μ(151)	X(79)	see'ap'
5	087	1.14b	α上9b	18[183 n 69]		R(3)	αα上2b	AA(101)				
6	087	1.15a	F8	α上9b	R(3)	AB(44)	AA(46)					
7	089	1.16a	α上10a									
8	089	1.16b	A65a	F8	α上10a	AB(44)	X(10)					
9	090	1.17a	A65a	F8	α上10a	AB(41)	AC(61)	AA(31)	AA(45)			
030	090	1.17a	A65a	F8	α上10b							
1	091	1.17b	I39	α上12a	μ145	①93	③133	M119	28[389*]	AC66	μ[63*]	see'ap'
2	091	1.17b	F11	I39	λ45	①94	③133	AB(16)	αα上3a	αλ(523)		
3	091	1.17b	I39	R(3)	AB9	AB(42)	μ(148)	αα上3a				
4	091	1.18a	μ146	①97	M120	I(119)	AC66	λ(Intro9)	αα上3a			
5	092	1.18a	A65a	I39	α上12b	μ147	AB36	αα上3a				
6	092	1.18a	A65a	F11	α上15a	λ47	③136	28[389*]	AB(17)	AB(44)	AC66	see'ap'
7	092	1.18a	A65a									
8	093	1.18b	A65b	F11	α上15a	③(136)	M(106)	AB36	AB42	μ(125)	μ(147)	see'ap'
9	093	1.18b	μ148	③(137)	M121	AB(11)	AB(44)	μ[250]	αδ(1)	AA(44)		
040	093	1.18b	A65b	α上15a	③(137)	μ(150)	28(115)	BR(I:28)				
1	094	1.19b	α上16b	R(3)	μ(125)							
2	095	1.19b	α上16b									
3	095	1.20a	A65b	α上16b	R(3)	αμ(7)	AC[47]					
4	096	1.20a	F12	I32	μ127	M110	I(119)	R(3)	AB[12]	AB[42]	μ[150]	see'ap'
5	097	1.21a	A65b	AC[49]								
6	098	1.21a	R(4)									
7	098	1.21b	α上17a	AE<147>								
8	099	1.21b	A65b	R(4)	αα上3b	AC[47]						
9	100	1.22b	A65b	F13	I38	α上14b	λ41	②(10)	③129	I(119)	R(5)	see'ap'
050	100	1.22b	α上42b	λ49	②(10)	③(140)	AB[4]	AB(41)	αα上4a	αγ(3)	AA(23)	
1	101	1.23a	A65b	I101	α上42b	λ160	R(5)					
2	102	1.23b	α上2a	μ[90*]								
3	102	1.24a	28[396]	I(120)	M(122)	AC(8)	μ(99)	μ(151)				
4	103	1.24a	A65b	E[174]	E[186]	F14	M(122)	R(5)	λ(Intro16)	μ(151)		
5	103	1.24b	E[174]	E[186]	α上25a							
6	104	1.24b	A65b	E[174]	E[186]							
7	104	1.25a	E[174]	E[186]	α上25a	R(6)						
8	104	1.25a	αF8b									
9	105	1.25b	H80	I49	α上22a	λ53	①108	②(13)	③144	P(541)	I(113)	see'ap'
060	106	1.26a	A65b	α上25b	R(6)	μ(161)	μ162	αB124	AC[47]			

#		1958	SPPY										#061-120
061		107	1,26b	A66a	R(6)	AC77	μ(173)	αB124	AA<164>	AC[47]			
2		108	1,27a	μ(173)	μ(174)	αμ[7]	M(135)						
3		108	1,27a	R(7)	μ[61]	αα上4b	αμ[7]						
4		109	1,27b	F15	α上26a	R(7)	AB(43)	AD(130)	AE<148>	BR(I:23)	AA(43)		
5		110	1,28a	α上26b	AE<(148)>	αα上5a							
6		111	2,1a	α上26b	R(7)	AA(71)	AA(131)						
7		112	2,1b	A66a	α上29b	μ172	M133	R(7)	μ[171]				
8		112	2,1b	A66a	F15	α上31a	㉓(239)	㉓(242)	M(106)	AC(196)	μ(125)		
9		113	2,2a	AC(150)	μ(144)								
070		114	2,2b	αF8b	AC[41]	αα上5a							
1		115	2,3a	H84	I69	α上43b	μ242	ω146	①116	②(20)	②(22)	M173	see ap'
2		115	2,3a	α上44a	λ108	ω147	①117	㉓[430]	λ[Intro.18]	μ(251)	μ(253)	αB58	see ap'
3		115	2,3b	A66a	R(8)	μ(251)	αB58						
4		116	2,4a	H84	I69	α上44a	λ111	μ245	φ4	ω147	M174	AC(11)	see ap'
5		117	2,4b	A66a	H(84)	I70	α上44b	R(8)	μ(244)	μ(248)	αB59	αB(150)	see ap'
6		118	2,5a	A66a	H(85)	I70	α上45a	λ115	φ8	②(37)	②(38)	⑱[7]	see ap'
7		119	2,5b	A66a	α上45b	μ249	ω148	①118	②(20)	M176	I*(91)	M(122)	see ap'
8		119	2,6a	α上45b	μ251	M176	AD(134)	μ[230]	αφ(718)	AA(144)	αB60		
9		120	2,6b	A66a	α上47a	R(8)	αB65						
080		121	2,7b	α上47b	R(9)	αB65	AA[19]						
1		122	2,8a	A66a	F16	α上47b	θ44	㉓60	㉓(266)	㉓(319)	I(126)	M69	see ap'
2		123	2,8a	α上50b	⑱[81 n.62]		R(9)	AA(52)					
3		124	2,8b	F17	AB(40)	μ(142)							
4		124	2,9a	α上20a	R(9)	AB[2]							
5		127	2,11a	F19	αF7b	②(21)	I(123)	AC64	AE<149>	λ[Intro.19]	αξ(17)	αφ(730)	see ap'
6		128	2,11b	A66b	αF8a	M78	AC(203)	αμ(6)	X(41)	BR I:23			
7		128	2,11b	αF8a	μ(143)								
8		129	2,12a	αF9b									
9		129	2,12a	μ[272*]	αB74								
090		130	2,12b	αF10a	R(9)	AC(216)	αB74	αB(143)					
1		131	2,13a	A66b	AC(86)	μ(63)	μ(64)	μ(251)	μ(254)	μ(275)	AA(131)		
2		132	2,14a	A66b	μ272	⑯60	M187	㉓[38*]	M(165)	AC[186*]	μ[53*]	μ[158*]	see ap'
3		132	2,14a	αB77									
4		133	2,14b	I84	μ276	M188	AB(43)	μ(278)	μ(286)	αB77	AA(30)		
5		133	2,15a	I84	θ31	αB77							
6		134	2,15a	I84	αF12a	αB78							
7		134	2,15b	I84	αF12a	R(10)	αB78						
8		134	2,15b	I85	μ(143)	αB78	AA(36)						
9		135	2,16b	I85	R(10)	μ156	αB78						
100		136	2,16b	I85	R(10)	αB78							
1		136	2,17a	I86	αα上6a	αB79							
2		137	2,17a	αF12a	μ282	M192	M[102]	αφ[725]	αφ(730)				
3		137	2,17b	αF16b	μ(172)								
4		138	2,17b	αF17a	AC65	μ(107)	αB128						
5		138	2,18a	αF36a	AE<(149)>								
6		139	2,18b	αF44a	R(10)	AB(9)	AB(11)						
7		140	2,19a	αF44a	R(11)	AB(11)							
8		140	2,19b	αF46a	AC173	AC[79]	μ(145)	αμ(7)					
9		141	2,19b	I96									
110		141	2,20a	A66b	λ54	I(120)	AB(8)	μ(172)	αB93	AA[64*]			
1		143	2,21a	I(115)	R(11)	AC176	αB93						
2		143	2,21a	αα上6a	αB93								
3		144	2,21b	R(11)	αα上6b	αB94							
4		144	2,22a	μ(126)	αB94								
5		145	2,22b	R(11)	αα上6b	αB94							
6		145	2,22b	R(12)	αB95								
7		146	2,23a	αB95									
8		146	2,23a	㉓[397]	AC(105)	AE<149>	αα上7a	αB95	AA(129)	AA(109)			
9		146	2,23b	αB96									
120		147	2,24a	A66b	αF26a	R(12)	αB36	αμ(7)	AC[47]				

#121-180

#	1958 SPPY										
121	149	2,25b	F19	G90	H81	I89	K813	L853	αF20b	λ148	see ap'
2	150	2,25b	αF20b	R(12)	μ(124)						
3	151	2,26b	F20	μ300	ω149	M203	AB[14]	αα上7a	AA(24)		
4	151	2,26b	F21	αF36b	ω150	③(47)	X9	AA(24)	AA(65)		
5	152	2,27a	F21	μ303	M203	μ[300]	AA(20)	AA(24)			
6	152	2,27a	F21	αF36b							
7	152	2,27a	AC172								
8	153	2,27b	α上46a								
9	153	2,27b	F22	α上46a	λ164	②(23)	AC171	λ[I.1n23]	αλ[533]	αφ719	AA146
130	154	2,28a	M[205]	R(12)	AB[14]	AB(15)	μ(304)				
1	154	2,28a	F23	I52	αF16b	③150	R(12)				
2	155	2,28b	I90	αF12b	μ285	①98	M194	αα上7b	αφ724	AA(30)	AC[47]
3	155	2,28b	I90	αF12b	μ287	①99	M195	αφ725	AC[47]		
4	155	2,29a	F23	αF13b	μ93	M95	AB16	AC7	AC117	AC[186]	AE<150>
5	156	2,29b	F24	αF13b	AB(15)	AC(117)	AC(150)	AE<150>	μ(63)	αα上8a	X(9)
6	157	2,29b	F24	αF14a	R(13)	αα上8a					
7	157	2,30a	F24	αF14a	042	μ96	②(58)	③[86]	㉓115	㉘(319)	㉘[369]
8	158	2,30b	αF15a	AC(97)	AE<150>	AA167					
9	159	2,31a	F25	㉝82							
140	159	2,31b									
1	160	2,31b									
2	160	2,32a	AB27	αα上8b							
3	160	2,32a	αT48b	R(13)	AD(136)	AA(118)					
4	161	2,32b	α上3b	I(126)	R(13)	AC(111)	μ(61)	αλ[541]	AA(172)		
5	162	2,33a	α上3b	㉘(117)	R(13)	AB(10)	AC(115)	μ(151)	αα上8b		
6	163	3,1a	A66b	α上1b	R(14)	W[V]	αα上9a	αB22	AA[57]		
7	164	3,1b	A66b	F26	α上5a	AB(20)					
8	164	3,1b	A66b	F27	G91	I42	K815	③87	W(V)	AB17	AC35
9	165	3,2a	I41	αF23b	μ107	③71	⑤168	M101	M[88]	μ79	μ[106]
150	165	3,2a	A67a	R(14)	αα上9b						
1	166	3,3a	A67a	B4,3a	F27	I53	α上27a	㉘[411]	㉘[429]	I[126]	R(14)
2	168	3,4a	A67a	D2,10b	αF24a	δ179	V<740>	AC[79]	αα上10a		
3	169	3,4b	A67a	B4,3b	F29	αF24a	③96	㉘(258)	AC(92)	μ(63)	BR(III 57)
4	171	3,6a	B4,4a	I27	α上8a	μ110	②(11)	③90	M103	M[126]	M[58]
5	172	3,6b	A67a	F30	αF9a	R(14)	μ(130)	AA(45)			
6	173	3,8a	μ(100)	αα上10a	αμ(6)	αμ(7)					
7	174	3,8a	B4,4b	α上8a	ω151	AB(15)	μ(161)	αα上10b			
8	174	3,8b	α上1a	R(15)	AC[186]						
9	175	3,9a	B4,5a	α上5b	AE<151>	μ(126)	αα上10b	AA(46)			
160	175	3,9a	A67a	B4,5a	R(15)	αα上11a					
1	176	3,9b	α上5b	③64	AC180	αα上11a	AA(46)				
2	178	3,10b	F33	I22	α上5b	μ101	②(10)	③85	M97	I(118)	M(27)
3	179	3,11b	A67a	F35	α上22b	μ158	③147	M125	R(15)	αα上12a	αβ133
4	180	3,12a	B4,5b>	α上26a	③153	R(15)	αβ134				
5	181	3,12a	F36	G91	K815	α上32a	μ184	③155	M140	P(541)	I(113)
6	182	3,13a	B4,5b	I75	α上53a	δ181	μ260	M180	M[165]	AC48	AC(195)
7	184	3,15a	αT46a	⑬[171n32]							
8	185	3,15a	A67b	B4,6a	α上41b	R(16)	AE<151>	αB48			
9	188	3,17a	B4,7a	α上19b	R(16)						
170	189	3,17b	α上21a	AC178	AE<152>	αα上12a					
1	189	3,18a	F37								
2	190	3,18b	A67b	F38	αT4b	N173	αα上12b	X11			
3	190	3,18b	A67b	α上49b	R(16)	μ(141)	αB68				
4	192	3,19b	αα上12b	AA(38)	AA(49)	AA(131)					
5	193	3,20b									
6	194	3,21b	A67b	αT6a	αα上13a	αμ(6)					
7	195	3,22a	F38	αT6b	R(17)	μ(130)	αα上13b				
8	196	3,22a	A67b	F39							
9	196	3,22b	A67b	αT43b							
180	197	3,23a	A67b	αT6b	R(17)	αα上13b					

#181-240

#	1958	SPPY										
181	197	3.23a	I97	R(17)	AC[49]							
2	199	4.1a	A67b	D2,11a	F39	αF13b	δ184	AC[46]	μ(130)	αα上14a	αB76	see ap
3	200	4.1b	AC[179]	αα上14a								
4	200	4.1b	I4	αF19a	λ4	R(17)	AB(45)	αα上14b				
5	202	4.3a	B4,7b	I29	α上11b	②(12)	③(174)	AC35	αB133	AA(18)		
6	204	4.4b	A68a	αF5b	αα上15a	αB128						
7	205	4.5a	B4,8a	F40	I97	I(114)	AC[49]					
8	206	4.5b	αF32a	AC(195)	AC[226]	αB91						
9	206	4.6a	R(17)									
190	207	4.6a	A68a	αF33a	R(17)	AB(24)	αα上15b	AA(200)				
1	209	4.7b	A68a	AC183	AE<152>	αα上16a	αB91	AA(18)	AA[102]	AA(200)		
2	211	4.9a	A68a	R(17)	AC(115)	AE<153>						
3	212	4.9b	αB49	AA(24)								
4	212	4.9b										
5	213	4.10a	③102	AC(196)	αα上17b							
6	213	4.10a	F41	αF6b								
7	214	4.10b	αF47b									
8	214	4.11a										
9	215	4.11a	A68a	B<4,8b>	αF31b	αB88	αα[3]	αφ[72]	AC[47]			
200	216	4.11b	AC(195)									
1	216	4.12a	F42	R(18)	αα上17b	AA(25)						
2	218	4.13a	A68a	R(18)								
3	219	4.13b	αF45a									
4	220	4.14a										
5	220	4.14b	B<4,8b>	αF46b								
6	221	4.15a	R(18)									
7	221	4.15a	αF43b	R(18)	αα上18a							
8	222	4.15b	α上12b	R(18)								
9	223	4.16a	AC(209)									
210	224	4.16b	A68a	F44	αF44b	Q(120)	R(18)	αα上18b	αB(141)			
1	225	4.17a	αF43a	R(19)	αα上18b							
2	226	4.17b										
3	226	4.18a										
4	227	4.18b	αα上19b									
5	228	4.19a	A68a									
6	229	4.19b	A68a	αF45a	R(19)							
7	229	4.20a	A68a	αF45b								
8	230	4.20b	B<4,9a>	α上48a	AC180	AC(197)						
9	230	4.20b	αF45b	R(19)	AB(42)							
220	231	4.21a	A68a	αF2a	M(106)	R(19)	μ(126)	αα上19b	X11			
1	232	4.21a	αF1b	AA199								
2	232	4.21b	αF48a	R(19)	AA(65)	AA(147)						
3	234	4.22b	α上49a	R(20)	AC(195)							
4	235	4.23a	αF25a	R(20)	AC[186]	AC(190)						
5	235	4.23b	αF25a	R(20)	αα上20a							
6	236	4.24a	αF25b	αα上26a								
7	237	4.24a	αF36a									
8	239	5.1a	A68b	α上23a	R(20)	AA(38)	AA(45)	AA(48)				
9	240	5.2a	A68b	α上23b	M(134)	Q(119)	AB(11)	μ(174)	αα上20b	αB(140)	AA(131)	
230	242	5.2b	α上13b	αα上21a								
1	242	5.3a	α上17a	④(186)	R(20)							
2	243	5.3b	I33	α上8b	μ134	①112	M114	M[31]	AC38	AC219	μ[22]	see ap
3	244	5.4a	α上23b	ω151	R(21)	AC184	αα上21b	AA(131)				
4	244	5.4b	A68b	α上33b	R(21)	αα上21b						
5	246	5.5b	G92	I26	K816	③92	AB(42)	AB(45)	AA(45)			
6	247	5.6a	A68b	α上21b								
7	248	5.6b	α上43a	R(21)	AA(49)							
8	249	5.7a	α上42a	θ(48)	R(21)	αB[63]						
9	250	5.7b	A68b	α上28a	Q(119)	R(21)	αB(140)	X(12)				
240	251	5.8b	A68b	α上28b	⑮(100)	⑮(101)	⑮[112, 154+162]	⑪(240)	⑰(240)	R(22)	see ap	

#241-300

#		1958	SPPY										
241		252	5,9b	F45	I73	α上48b	δ186	αα上23a	αφ[714]				
2		254	5,10b	F46	AC(190)	αα上23a	AA(131)						
3		254	5,10b										
4		255	5,11a	A69a	αF13a	R(22)	μ(126)	μ(169)	αα上23b	X12			
5		256	5,11b	A69a	αF38b	δ189	μ292	②(24)	M149	I[126]	M(165)	AC(202)	see ap
6		257	5,12b	A69a	B41a	α上38b	M[64]	R(22)	AC(202)	μ(63)	αβ44	AA(45)	see ap
7		258	5,13a	A69a	α上31a	⑮(443)	M(100)	AC(202)	μ(122)	αα上24a	AA(121)	AA(131)	
8		259	5,14a	A69a	I98	αF17a	R(22)	μ(126)	αμ(6)				
9		263	5,16b	F46	I91	R(23)							
250		264	5,17a	A69a	αF9b	I(115)	AB(17)	AB(30)	AB(42)	αα上24b			
1		265	5,17b	α上31b	M(106)	R(23)	AB(43)	AC(115)	μ(126)	αα上24b	AA(51)	AA[128]	
2		267	5,18b	αF42a	αα上25a	αλ[532]	αφ[725]						
3		267	5,19a	I47	λ37	③(89)	AB(18)	μ(130)					
4		268	5,19b	A69a	αF4b	R(23)	AC(202)	αα上25b	αμ(6)				
5		269	5,20a	A69a	αF25b	μ(261)	μ(264)	αα上26a	αB82	αμ[3]			
6		270	5,21a	A69b	AC[86]	αB84							
7		271	5,21b	I42	R(23)								
8		272	5,22a	A69b	αF26b	R(23)							
9		274	5,24a	A69b	B42a	I92	αF28a	R(24)	AC(202)	αμ[2]	αφ[725]	AA(46)	AC[47]
260		280	5,27b	A69b	αF21b	R(24)	AE<153>						
1		281	5,29a	A70a	αF22a								
2		282	5,29b	A70a	α上50a	AC176	αα上26b	αB69	AC[47]				
3		283	5,30a	AC(209)	AA(44)								
4		284	5,30b	αF41b	R(24)	μ(237)	αα上27a	αμ[3]	αμ(6)	αφ[725]	αφ(726)	AC[47]	
5		286	5,31b	R(25)	AA(24)								
6		286	5,32a										
7		289	6,1a	α上20b	③(49)	R(25)	S(393)	μ(126)					
8		289	6,1a	α上20b	㉘[450]	R(25)	αα上28a						
9		290	6,1b	D2,11b	α上30a	S(393)	αB134						
270		291	6,2a	α上30b	αα上28b								
1		291	6,2a	μ99	①106	②11	③67	βp.7	㉘[424]	S(393)	AC(196)	λ[Intro.31]	see ap
2		291	6,2a	R(25)	αB138								
3		292	6,2b	α上17b	AC[50]	AC(196)	αα上28b	αB[139]	AA162				
4		293	6,3a	α上18a	M(169)	αα上29a	αB27	αB[138]					
5		294	6,3b	α上18b	AC(195)	αα上29b							
6		294	6,4a	F47	αF29b	S(393)	αα上29b	αB135					
7		295	6,4b	α上18b	⑨216	S(393)	AC[50]	αB135					
8		295	6,4b										
9		296	6,4b	①121									
280		296	6,4b	A70a	α上18b	δ194	⑧195	R(25)	αα上30a	αB135			
1		296	6,5a	αB136									
2		297	6,5b	αB136									
3		298	6,5b	α上20a	③(49)	R(25)							
4		298	6,6a	A70a	F47	α上19a	R(26)	AE<154>					
5		300	6,7a	α上17b	αB137								
6		301	6,7b	α上27b	αα上30b								
7		301	6,8a										
8		302	6,8b	α上30b									
9		302	6,8b	αF30a									
290		303	6,9a	I2	α上7b	αα上31a	αB137						
1		303	6,9a	I2	α上7b	S393	αα上31a	αB137					
2		303	6,9a	I3	α上7b	αα上31a	αB137						
3		304	6,9a	I3	α上7b	αα上31a	αB137						
4		304	6,9b	I3	α上7b	S393	αα上31a	αB137					
5		304	6,9b	α上9a	αα上31b	αB25							
6		304	6,9b	α上9a	αα上31b	αB25							
7		304	6,10a	α上9a	αα上31b								
8		305	6,10a	αα上31b									
9		305	6,10a	α上9a	αα上31b								
300		305	6,10a										

#	1958	SPPY										
												=301-360
301	305	6.10b	αF18a	αB137								
2	306	6.10b	A70a	α上30b								
3	306	6.11a										
4	307	6.11a										
5	307	6.11a	I64	α上38a	λ96	ω152	①134	M[117*]	Y[41*]	μ[139*]	αB43	see ap'
6	307	6.11b	H83	I64	α上38a	AC37	αB43					
7	307	6.11b	H83	I65	λ98	μ219	ω153	①134	③168	M159	P542	see ap'
8	307	6.11b	I65	μ220	ω153	②(18)	③168	⑳43	M159	λ(Intro.16)	αα上326	see ap'
9	307	6.11b	H83	I65	λ98	ω153	①134	P542	λ(Intro.16)	αB43	U3	
310	307	6.11b	H83	I65	α上38a	μ221	③168	M159	㉔79	AC38	μ(92)	see ap'
1	308	6.11b	I65	α上38a	ω153	I(114)	S393	αα上326	αB44	AA(61)		
2	308	6.12a	H84	I65	α上38a	λ99	ω153	①135	③168	⑳42	αα上326	see ap'
3	308	6.12a	I65	α上38b	λ100	μ221	⑳42	㉓407	M159	W(V)	αα上326	see ap'
4	308	6.12a	A70a	I65	μ231	S394	αB44	AA61	AA<165>			
5	309	6.12b	I19	②(7)	②48	I[126]	λ(Intro.7)	μ(104)	μ[195]	μ(299)	αα上32a	see ap'
6	310	6.13a	AB(44)									
7	311	7.12	α上13a	R(26)	AA(22)							
8	312	7.1b	㉘[426]	R(26)								
9	312	7.1b	R(26)									
320	312	7.2a										
1	313	7.2a	A70b	α上41a	R(27)	X27						
2	313	7.2b	αF23b	R(27)	αβ82	AA(71)						
3	314	7.3a	A70b	X(27)								
4	315	7.3b	A70b	F49	I8	α上15a	γ上1a	λ12	①121	㉘[439]	㉝83	see ap'
5	316	7.4a	α上14b	γ上1b	ω154	R(27)	ααF1a					
6	316	7.4a	B<4.9a>	F49	α上1b	γ上1b	μ(240)					
7	317	7.4b	B4.9a	α上12b	γ上2a	㉘[411]	ααF1a	αμ(6)	X(27)			
8	317	7.5a	α上6a	γ上2b	μ(167)	ααF1b						
9	318	7.5a	γ上3a	AB(3)								
330	318	7.5b	γ上3b	㉘[392]	R(27)	μ(107)	μ(240)					
1	319	7.5b	B4.9b	α上17b	γ上4a	ααF1b	AA(52)					
2	319	7.6a	A70b	γ上4b	M[29]	M(94)	AB(2)	AB(39)	AC(8)	AC(86)	μ[20]	see ap'
3	320	7.6a	B<4.9b>	I45	α上13a	γ上5a	③70	R(28)	AC(190)			
4	320	7.6a	F50	γ上5a								
5	320	7.6b	B<4.10a>	αF33a	γ上5b	R(28)	ααF1b	X(27)				
6	321	7.6b	A70b	α上8b	γ上6a	αB25						
7	321	7.7a	α上40a	γ上6b	μ89	①29	M92	㉘[399]	M[21]	M[88]	R(28)	see ap'
8	322	7.7a	A70b	γ上7a	R(28)	AB[14*]	ααF2a	AA22				
9	322	7.7b	α上40b	γ上7b	M(135)	AC172	μ(174)					
340	322	7.7b	F50	μ163	②14	③151	M127	AB[13]	AB43	μ(102)	αB32	see ap'
1	323	7.7b	F51	α上25a	γ上8a	AB(13)	AB(43)	αB31				
2	323	7.8a	F51	α上25a	γ上8b	R(28)	αB31					
3	323	7.8a	F51	γ上9a	αB31							
4	324	7.8a	α上16b	γ上9a	AB(42)	AC(86)	ααF2a	αB132				
5	324	7.8b	B4.10a	γ上9b	AC32	μ(226)	ααF2b	αB132	X26			
6	324	7.8b	B<4.10a>	α上40b	γ上10a	θ38	μ225	M163	AC(11)	AC32	ααF2b	see ap'
7	325	7.9a	F52	α上41a	γ上10b	AB[4]	AA(23)					
8	325	7.9a	B<4.10b>	α上41a	γ上11a	δ166	V<739>	ααF2b	αB132	X27	AA(162)	
9	326	7.9a	B4.10b	γ上11b	AC(86)	ααF2b						
350	326	7.9b	γ上12a	AB[4]	ααF3a	αγ(3)	AA(24)					
1	327	7.9b										
2	327	7.10a	F52	αF10b	γ上12b	θ40	μ270	M186	㉘(361)	M(103)	μ[256]	see ap'
3	328	7.10a	αF11a	γ上12b	ααF3a	αβ30						
4	328	7.10b	γ上13a	μ(272)	αβ76	αβ(143)						
5	328	7.10b	B<4.10b>	F52	αF11a	γ上13b	αβ79					
6	329	7.10b	A70b	αF11b	γ上14a	③58	M(70)	M(165)	μ(315)	AC(109)	AC[124]	
7	329	7.11a	I1	R(28)								
8	329	7.11a	ααF3b									
9	330	7.11a	γ上14b	R(29)	AA(17)							
360	330	7.11b	γ上15a	AB(14)	AA(63)	AA(46)						

#	1958	SPPY										#361-420
361	331	7.11b	α上47a	γ上15a	ββF36							
2	331	7.11b	α上47a	γ上15b	R(29)	αB50						
3	331	7.12a	γ上16a	㉘[415]	R(29)							
4	332	7.12a	γ上16b									
5	332	7.12a	B4.11a	I21	γ上17a	R(29)	ββF36					
6	332	7.12b	α上21a	γ上17a	AC176	ββF4a						
7	333	7.12b	γ上17b	ββF4a	αB131							
8	333	7.12b	F53	α上21b	γ上18a	ββF4a						
9	334	7.13b	F53	α上21b	γ上18a	μ(305)						
370	334	7.13b	F54	αF31b	γ上19a	αB90	AA(64)					
1	334	7.12b	B<4.112>	F54	γ上19b	③148	AA[48]					
2	335	7.14a	αF31a	γ上19b	㉘(426)	R(29)	AC173					
3	335	7.14a	γ上20a	R(29)								
4	335	7.14a	I105	αF34b	γ上20b	μ305	ββF4a					
5	336	7.14b	αF34b	γ上21b								
6	336	7.14b	B4.11b	αF35a	γ上21b							
7	336	7.14b	γ上21b	AC65								
8	337	7.15a	A70b	B4.11b	γ上22a	ω154	AB(41)	ββF4b	AA(71)			
9	337	7.15a	γ上22b	R(29)								
380	338	7.15b	γ上23a									
1	338	7.15b	A70b	αF7a	γ上23b							
2	338	7.15b	αF4a	γ上24a								
3	339	7.16a	A71a	B<4.11b>	γ上24b	ω155	μ(174)	αB100	αδ(1)			
4	339	7.16a	γ上24b	R(29)	αB80	X(27)						
5	340	7.16b	αF20a	γ上25a	μ(174)	ββF4b	αB81					
6	340	7.16b	α上14a	γ上26a								
7	341	7.17a	A71a	α上14a	γ上26a	ββF4b						
8	341	7.17a	α上14a	γ上26b								
9	341	7.17a	A71a	γ上27a	R(30)	ββF5a	αB101					
390	342	7.17b	αB101									
1	342	7.17b	A71a	αF45b	γ上27b	αB101						
2	342	7.17b	γ上27b	R(30)								
3	342	7.18a	γ上28a	X(28)								
4	343	7.18a	γ上28b	I(114)								
5	343	7.18a	I7	γ上29a	㉘[389]	AC173	BR(I:29)					
6	344	7.18b	αF4a	γ上29b	μ90	③62	M94	I[118]	AC(7)			
7	344	7.18b	γ上29b	㉘(361)								
8	344	7.18b	αF46b	γ上30a	μ(161)	αB104						
9	345	7.19a	A71a	γ上30b	*[411]	ββF5a						
400	345	7.19a	I109	αF47a	γ上31a	θ41	μ312	M209	M(103)	M(165)	R(30)	see'aq'
1	346	7.19b	*(83)	㉘[409]	M75	AE<154>						
2	346	7.19b	γ上31b	⑱[107n.10]		R(30)	AC(119)	ββF5a				
3	346	7.20a	αF38a	γ上32a	㉘[375]	㉘[399]	AE<403>	AA(105)	AA(211)			
4	347	7.20a	γ上32a									
5	347	7.20b	γ上33a	R(30)								
6	347	7.20b	α上53a	γ上33b								
7	348	7.20b	γ上34a	㉘[392]	㉝83	ββF5b	X(28)					
8	348	7.20b	α上10b	γ上34a	⑱[181n.62]		Z151	ββF5b	X65	AA(52)		
9	349	8.1a	B<4.12a>	C29a	I20	α上17a	γ上35a	λ31	①123	③76	㉒406	see'aq'
410	349	8.1a	B4.12a	C29a	F55	α上13b	γ上35b	δ167	③125	M[119*]	Y(41)	see'aq'
1	350	8.1b	C29a	γ上36a	δ169	③125	αB27					
2	350	8.1b	C29a	γ上36b	③126	I(121)	Q(119)	ββF5b	αB(129)	αB(139)		
3	350	8.2a	B4.12b	C29b	I9	γ上37a	λ15	③68	I[118]	AB(45)	λ[Intro.8]	see'aq'
4	351	8.2a	B4.12b	C29b	I46	α上22a	γ上37b	δ170	③72	㉘(245)	S393	see'aq'
5	352	8.2b	A71a	B<4.12b>	C29b	I34	α上13b	γ上38a	θ33	㉘[389]		
6	352	8.2b	C30a	α上20b	γ上38b	③130	μ(273)	ββF6a	αB26	AB(42)		
7	353	8.3a	A71a	C30a	α上15b	γ上39a	③102	㉘(245)				
8	353	8.3a	C30a	γ上39b	③[111]	㉘(215)	㉘(245)	Q(120)	R(30)	αB(142)		
9	353	8.3a	A71a	C30a	α上16a	γ上40a	μ238	ω155	M169	㉘[360]	㉘[419]	see'aq'
420	354	8.3b	C30b	γ上40b	μ108	③130	M102	AC211	μ[109*]	μ[114]	μ(196)	see'aq'

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#	1958	SPPY									
421	354	8,4a	C30b	α上21a	γ上41a	③132	αα F6b				
2	355	8,4a	C30b	γ上41b	③149	㉘[385]	AC(36)	αα F6b			
3	355	8,4a	C30b	α上16a	γ上42a	μ132	③104	M113	μ(109)	αα F7a	αβ 26
4	355	8,4b	A71b	C31a	γ上42b	③94					
5	356	8,4b	B4,13a	C31a	I46	α上3a	γ上43a	V(740)	X(20)		
6	356	8,5a	B<4,13a>	C31a	I25	γ上43b	λ34	①31	③73	AC(86)	λ[107]
7	357	8,5a	C31b	α上4a	γ上44a	③98	㉘[376]	㉘[392]	αα F7a	X(20)	X(21)
8	357	8,5b	C31b	α上11b	⑱[E1 n62]	Z151	αβ 25	X65	AA(52)		
9	358	8,5b	B4,13b	F55	α上11a	γ上44b	③138	AB(9)	AC(86)	AA(47)	
430	359	8,6b	B<4,13b>	α上13b	γ上45b	M(105)	μ(113)	AA(143)			
1	360	8,7a	α上13a	γ上46b	AC63						
2	360	8,7b	C31b	α上15b	γ上47a	③95					
3	361	8,7b	C32a	I25	α上15b	γ上47b	ω156	③(87)	μ[106]	αα F7b	
4	361	8,7b	C32a	γ上48a							
5	362	8,8a	α上15b	γ上49a	AC[49]	AC55	AC185	AC(195)	AC(218)	αα F7b	
6	362	8,8b	B4,13b	F56	γ上49b	R(31)	AC64	AC[34]	AA(46)		
7	363	8,9a	α上24b	γ上50a	AC64	AC182	AA(58)				
8	364	8,9b	C32a	F57	γ上51a	⑪413	㉘69	㉘[399]	AC(91)	AE<155>	λ[I n 32]
9	366	8,10b	C32a	F57	γ上52b	αβ 12	AA(36)				
440	367	8,11b	C32b	F50	α上22b	γ上53b	θ35	λ56	μ155	ω156	①35
1	367	8,11b	A71a	C32b	F58	α上24b	γ上54a	㉘(450)	R(31)	X13	
2	368	8,12a	B4,14a	C32b	E(185)	I54	γ上54b	μ165	③152	M130	AB10
3	368	8,12a	F58	α上25b	γ上55a	R(31)					
4	369	8,12a	C33a	γ上55b	μ152	③(141)	M122	㉘(253)	㉘[369]	AC172	αα F7b
5	369	8,12b	A71b	γ上56a	μ[170]						
6	369	8,12b	C33a	γ上56b	μ[167]						
7	370	8,13a	B4,14a	α上23a	γ上57a	㉘[389]	R(31)	αβ 128	AA[52]		
8	370	8,13a	C33a	γ上57b	AC(205)						
9	371	8,13b	C33b	F59	γ上58a	㉘[415]					
450	371	8,13b	C33b	I51	α上26a	γ上58b	θ36	λ59	μ160	M126	R(31)
1	372	8,14a	F60	α上29b	γ上59a	AC(195)	AC(203)				
2	373	8,14b	α上22b	γ上59b	AC(196)						
3	373	8,15a	γ上60a	λ60	①119	R(32)	AA(24)				
4	374	8,15a	I48	α上21b	γ上60b	③143	AB(7)	AB8	AC(86)	AC(263)	μ(178)
5	374	8,15a	γ上61a	μ168	M132	AB[3]	AC(9)	μ[139]	AA(59)		
6	374	8,15b	A71b	α上29a							
7	375	8,15b	α上29a	γ上61b	μ170	M[135]	AC(86)	αα F8b	αλ(533)		
8	375	8,16a	C33b	γ上62a	AC(213)	μ(203)	αα F8b	Q(119)			
9	376	8,16a	C34a	α上29b	γ上62b	μ175	M[135]	R(32)	AB(48)	AC(195)	AC(196)
460	376	8,16a	C34a	α上30a	γ上62b	AB(15)	αα F8b	X(21)	AC[47]		
1	376	8,16b	B4,14b	C34a	H81	I55	α上33a	γ上63a	λ62	μ178	①124
2	377	8,17a	A71b	B4,14b	C35a	H81	I55	L849	α上33b	γ上63b	ε40
3	378	8,17a	B4,14b	C34a	I55	α上33b	γ上64b	λ66	M136	ξ(2)	R(32)
4	378	8,17b	C34b	F60	γ上65a	λ69	③160	AB(12)	μ[189]	αβ 35	αλ(529)
5	378	8,17b	C34b	α上32b	γ上65b	X(20)					
6	379	8,18a	C35a	α上32b	γ上66a	I(126)	Q(119)	αβ 131	αβ(139)	X19	
7	379	8,18a	C35a	F61	α上32a	γ上66b	ω157	②(15)	AB(4)	AB(16)	λ[I n 12]
8	380	8,18b	A71b	C35a	α上34a	γ上67a	AB(48)	αα F9a	αβ 35	αβ(148)	AA94
9	380	8,18b	A71b	C35b	γ上67b	Q(119)	AC[156]	αβ(139)			
470	381	8,19a	C35b	α上34b	γ上68a	㉘[389]					
1	381	8,19a	C35b	F61	γ上68b	μ187	M142	R(32)	AB(10)	AC174	X(14)
2	382	8,19b	A71b	B4,15a	C36a	D6,12a	F62	α上34a	γ上69a	λ71	μ189
3	384	8,21a	B<4,15a>	C36a	D6,12a	H82	I56	L851	α上35a	γ上70b	ε42
4	384	8,21a	B<4,15a>	C36a	D6,12b	F62	I57	α上35a	γ上71b	ξ171	λ76
5	385	8,22a	B<4,15b>	C36a	D6,13a	I57	α上35b	γ上72a	ξ173	ε43	λ78
6	386	8,22a	B<4,15b>	C36a	D6,13a	α上36b	γ上73a	λ80	μ202	③[159]	㉑161
7	386	8,22b	C36b	I8	α上20b	γ上73b	λ14	③62	AB(45)	λ[I n 08]	λ(35)
8	387	8,22b	A72a	γ上74a							
9	387	8,23a	A72a	B4,15b	C36b	I61	J1	α上36b	γ上74b	ε47	λ88
480	389	8,24a	C37a	F64	G94	K818	γ上75b	ⓒ(15)	M(161)	μ(237)	X(21)

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481		389	8,24a	C37a	γ上76b	AC(197)	AA[48]	AA(62)					
2		390	8,24b	C37a	E(174)	F65	γ上77a	αα下96	αB46				
3		390	8,24b	C37b	D6,14b	I67	α上39a	γ上77b	δ174	μ223	M161	AC11	see aq
4		390	8,25a	F65	α上39a	γ上77b	αB46						
5		391	8,25a	B4,16a	F66	I62	γ上78b	①(91)	AC200	μ(58)	αB46	αB(130)	see aq
6		391	8,25a	C37b	α上39b	γ上79a	M(81)	Q(118)	T(4)	V(737)	AB(6)	AC[67*]	see aq
7		392	8,25b	C37b	α上39b	γ上79b	AD(134)	αB57	AA(44)	AA(100)			
8		392	8,25b	A72a	C37b	F67	I66	α上37b	γ上80a	ε52	λ101	μ233	see aq
9		395	8,27b	α上39b	γ上81b	αB56	AA41						
490		395	8,28a	B4,16a	C38a	D6,14a	F68	I64	α上40a	γ上82b	δ176	λ94	see aq
1		396	8,28a	A72a	C38a	F69	I68	α上43a	γ上83a	δ177	λ103	②18	see aq
2		396	8,28b	F69	α上43a	γ上83b	αB57						
3		397	8,28b	A72a	C38b	α上46a	αF10a	αB63	X(20)				
4		397	8,29a	B4,16a	I72	α上46a	γ上84a	λ106	αB64	αB66	αφ(720)		
5		398	8,29a	F70	α上46a	γ上84b	αF10a	αB(130)					
6		398	8,29a	A72a	α上48b	γ上85a	R(32)						
7		398	8,29b	C38b	F70	γ上85b	AC(197)	X(20)	AA[48]				
8		399	8,29b	B4,16b	C38b	D6,13b	I58	J1	γ上86a	②16	I(122)	AB(43)	see aq
9		399	8,29b	F71	α上46b	γ上86b							
500		400	8,30a	α上46b	γ上87a	ω160	②(17)	AA(45)					
1		400	8,30b	C38b	γ上87b	28(361)							
2		401	8,30b	A72a	C39b	F72	I103	α下47a	γ上88a	28[415]	I(124)	M(81)	see aq
3		402	8,31a	C39a	α上46b	γ上89a	28[457]	BR(II:50)	AA(37)				
4		402	8,31b	C39a	γ上89b	AC64							
5		403	8,31b	B4,16b	C39b	I76	α上53b	γ上90a	λ124	Y(39)	AB(24)	AC174	see aq
6		403	8,32a	B(4,17a)	C39b	I76	γ上90b	λ127	⑪44	V(740)	AB24	AC(210)	see aq
7		404	8,32b	A72a	α上54a	γ上91b	28[392]	Q(119)	AC(212)	αB(138)			
8		405	9,1a	γ上92a	Q(119)	AC(213)	αB(138)						
9		405	9,1a	α上54a	γ上92b	μ(106)							
510		406	9,1b	A72a	C39b	α上54a	γ上92b	N174	M(108)	Q(119)	AC(198)	μ(121)	see aq
1		406	9,1b	A72b	C40a	α上54a	γ上93a	Y(41)	AA(108)				
2		406	9,1b	C40a	α上54b	γ上93b							
3		407	9,2a	B4,17a	C40a	D6,13b	I78	α下46	γ上94a	λ129	λ[133]	αφ(721)	see aq
4		407	9,2a	α下1a	γ上94b	AC(212)							
5		408	9,2b	α下1a	γ上95a								
6		408	9,2b	F72	α下2a	γ上95b	αB71						
7		408	9,3a	C40a	I81	α下2a	γ上96a	μ265	M183	28[396]	M(43)	AC(13)	see aq
8		409	9,3a	A72b	B4,17a	C40b	I81	J2	L852	α下2a	γ上96b	λ140	see aq
9		409	9,3a	γ上97a									
520		410	9,3b	A72b	γ上97b	Q(119)	AE<155>	αα下10b	αB89	αB(140)	AA(18)	AA(41)	see aq
1		410	9,4a	F73	α上54b	γ上98a	28[396]	Q(119)	αα下10b	αB(138)	X(20)		
2		411	9,4a	γ上99a	X(20)								
3		411	9,4a	C40b	F74	α下7b	γ上99b	λ130	M(81)	φ(118)	V(737)	AC(197)	see aq
4		412	9,4b	C40b	γ上100a	28[415]	AE<156>	Q(119)	αB(138)				
5		412	9,4b	A72b	C41a	α下16a	γ上100b	AB(24)	AB(43)	AB(46)	AC(198)	AC(210)	see ar
6		412	9,5a	C41a	I79	γ上101a	M(162)	μ(224)	αα下11a	αB73			
7		413	9,5a	A72b	α下16a	γ上101b	I(126)	αB73					
8		413	9,5a	γ上102a									
9		414	9,5b	C41a	I79	α下17b	γ上102b	λ132	Q(119)	αα下11b	αB73	αB(139)	
530		414	9,5b	B4,17b	C41a	α下7b	γ上103a	λ134	②(21)	λ[Intro19]	μ(253)	μ(273)	see ar
1		415	9,6a	α下8a	γ上103b	AD(132)	μ[269]	αB72	AA(100)				
2		415	9,6b	α下8a	γ上104a	μ[271]	αB72						
3		416	9,6b	γ上104b	28(360)	28[385]	AB3	AC171	AC192	AC(198)	μ(153)	μ154	
4		416	9,7a	B4,17b	γ上105a								
5		417	9,7a	F75	α上38a	γ上105b	M(81)	Q(118)	V(737)	αB(121)	αB44	X(7)	see ar
6		417	9,7b	C41b	F76	γ上106b	Y[41]	BR(II:45)	AA(45)				
7		418	9,8a	C41b	F76	γ上107b	AA(47)						
8		419	9,9a	B(4,18a)	C41b	F76	γ下1a	AC191	X[22]	AA(46)			
9		420	9,9b	A72b	C42a	F76	γ下1b	AA(47)					
540		421	9,10a	C42a	α下12b	γ下2b	AE<157>	AA(46)	AA<164>				

#		1958	SPPY											=541-600
541		422	9.10b	γF3b	M(105)	μ(113)	αB79	AA(30)						
2		422	9.10b	αF13b	γF3b	αB79								
3		422	9.10b	B418a	αF17b	γF4b	λ142	AC183	αB[63*]	αB64				
4		423	9.11a	A72b	αF18a	γF5a	αB64							
5		423	9.11a	C42a	γF5b	ω160	R(32)	ωF11b						
6		423	9.11a	γF6a	μ(268)									
7		424	9.12a	A72b	αF18a									
8		425	9.12a	αF18b	γF6b									
9		425	9.12b	αF18b	γF7a	28(434)								
550		426	9.12b	αF20a	γF7b	R(33)								
1		426	9.12b	αF18b	γF8a									
2		427	9.13b	B<4,18a>	C42b	I30	γF8b	AC182	AC(204)	X(21)				
3		427	9.13b	αF20a	γF9a									
4		428	9.14a	F79	I88	αF21a	γF10a							
5		428	9.14a	C42b	αF21b	γF10b	λ145	λ[I-to.A]						
6		429	9.14b	γF11a	28[389]									
7		429	9.15a	F79	αF31a	γF11b	X(21)	X(22)						
8		430	9.15a	C42b	F80	γF12a	AC(14)	αB41	X70	AA(63)				
9		431	9.15b	γF13a										
560		431	9.15b	C43a	αI48a	γF13b	ωF11b	αB66	αB[124]	αω(6)	X(21)			
1		431	9.16a	γF14a										
2		432	9.16a	αF22b	γF14b	AC(203)	AC(208)	AC(216)	αB81	AA(30)				
3		432	9.16b	A72b	C43a	I90	γF15b	μ280	M191	M(165)	AC(14)	AC(46)	see ar'	
4		433	9.16b	αF22b	γF15b	R(33)	AC(197)	AA(63)						
5		433	9.17a	αF23a	γF16a	ωF12a								
6		433	9.17a	C43a	F81	αF22b	X(22)	AA70						
7		434	9.17b	γF16b	λ144	M(169)	μ(237)	AA(30)						
8		434	9.17b	αI6a	γF17a	ωF12b								
9		435	9.17b	C43b	γF18a									
570		435	9.18a	C43b	γF18b	③138	AC(9)	ωF12b	X(21)	AA(59)				
1		435	9.18a	γF19a	28(252)									
2		436	9.18b	B<4,18b>	αF15b	γF19b	28[391]	R(33)						
3		437	9.19a	αF29a	γF20a	ωF12b	AA(42)							
4		437	9.19a	αF29a	γF20b	28[389*]	I(120)	AC[186*]	μ(270)	ωF13a				
5		437	9.19b	γF21a	μ267	M184	M(55)	ωF13a	αφ(722)					
6		438	9.19b	γF21b										
7		438	9.19b	A72b	γF22	Q(120)	αB(141)							
8		439	9.20b	A73a	B418b	C43b	I95	αF29b	γF23a	λ152	⑪415	R(33)	see ar'	
9		440	9.20b	A73a	B<4,19a>	C44a	I96	αF29b	γF24a	I(124)	R(33)	Y(41)	see ar'	
580		440	9.21a	αF25b	γF24b	R(34)	AC(197)							
1		440	9.21a	B<4,19a>	αF30a	γF25a	R(34)	αB[63*]	αB87					
2		441	9.21a	B<4,19a>	γF25b	R(34)	AC(197)	αB87						
3		441	9.21b	B4,19a>	αF30a	γF25b	αB87							
4		441	9.21b	αF30b	γF26a									
5		441	9.21b	αF30b	γF26b	ωF13a								
6		442	9.21b	αF30b	γF27a									
7		442	9.22a	C44a	αF44b	γF27b	R(34)	AB(14)						
8		442	9.22a	A73a	γF28a	②(64)	⑫[7]	⑱[51 n 35]		Q(120)	AC181	AC(198)	see ar'	
9		443	9.22b	αF23a	γF28b									
590		443	9.22b	I102	αF23a	γF29b	μ(84)	X74	AA(35)	AA<165>				
1		444	9.23a	A73a	C44a	γF30a	28[436]							
2		444	9.23b	A73a	C44b	αF32b	γF30b	αB131	X(22)	AA(181)				
3		445	9.23b	B<4,19b>	C44b	F82	αF32a	γF31b	R(34)	αB90	AA[64*]			
4		445	9.24a	B4,19b	C44b	F82	γF32a	R(34)	αB91	BR II 46	BR II 48			
5		446	9.24a	A73a	F83	αF32a	γF32b	②21	ωF13b	αB90	X(21)	X(22)	see ar'	
6		446	9.24b	γF33b	R(35)	λ[59]	μ[166]							
7		446	9.24b	αF33a	R(35)	AA[64]	AA68							
8		447	9.24b	B<4,20a>	αF3a	γF34a	M(135)	AC181	μ(174)	αδ(1)	AC(206)			
9		448	9.25b	A73a	αI17a	γF35a	μ(174)	μ(175)	ωF14a	AA(43)				
600		449	9.26b	αF3a	γI35b									

#		1958	SPPY										#601-660
601		450	9.26b	A73a	B4.20a	αF3a	γF36b	M(162)	μ(225)				
2		450	9.27a	C44b	αF3a	γF37a	AA(50)						
3		451	9.27a	A73a	αF36	γF37a	R(35)	X(21)					
4		451	9.27a	αF36	γF37b	R(35)							
5		452	9.28a	A73a	γF38b	(28)[392]							
6		453	9.28b	B4.20a	αF5a	γF39b	Q(119)	AC181	AC(188)	AC(213)	αβ(130)	αβ(139)	
7		453	9.28b	γF40a									
8		454	9.29a	αF5a	γF40b	AA[48]							
9		454	9.29a	αF5b	γF41a	(28)(248)	AC(19)	AC(188)					
610		455	9.29b	αF5b	γF41b	(18)[181∧62]		R(35)	AA(52)				
1		455	9.29b	γF42a	AC[67]								
2		457	10.1a	C45a	γF42b								
3		457	10.1a	B4.20b	αF16b	γF43a	X(22)						
4		458	10.1b	A73a	C45a	F83	I103	αF26	γF43b	λ163			
5		458	10.1b	C45a	I1	αF36b	γF44a	λ3	(2)(9)	(3)55	I[118]	M(92)	see ar'
6		458	10.1b	A73b	γF44b	R(36)	AC(46)	αμ(6)	AA(16)				
7		459	10.2a	γF45a	AC(46)								
8		459	10.2a	γF45b	AC(210)	AA(42)							
9		459	10.2a	γF45b									
620		460	10.2b	C45b	B4.20b	αF19a	γF46b	AC(197)	ααF14a				
1		460	10.2b	γF47a	AC182								
2		460	10.3a	αF19b	γF47b	AC(215)							
3		461	10.3a	αF19b	γF48a	AC(138)							
4		461	10.3a	A73b	αF19b	γF48a							
5		462	10.3b	A73b	γF49a	R(36)	AC(197)						
6		462	10.3b	A73b	γF49b	(2)(71)	Q(119)	AC(197)	ααF14b	αβ(140)			
7		463	10.4a	γF50a	(28)447								
8		463	10.4a	αF21b	γF50b	(28)[389]	R(36)	AC(87)	AA(50)	AA(130)			
9		463	10.4b	C45b	γF51a	(3)125	R(36)	X(21)					
630		464	10.4b	C45b	γF51a	ααF14b							
1		464	10.4b	C45b	γF51b								
2		465	10.5a	γF52b	AC(197)								
3		465	10.5b	A73b	C46a	αF31a	γF53a	μ(174)	αβ89	X(22)			
4		465	10.5b	C46a	αF47b	γF53b	AC(197)	ααF14b	X19				
5		466	10.6a	A73b	C46a	αF23b	γF54a	AC(199)	AA(42)	AA(69)			
6		467	10.6b	αF41a	γF54b	M(135)	μ(175)	ααF15a	αβ126				
7		467	10.7a	γF55b	(28)[426]	AC180							
8		468	10.7a	αF40a	γF56a								
9		469	10.7b	A73b	αF40b	γF57a	μ(305)						
640		469	10.8a	αF41a	γF57b	AC(188)	AA[99]						
1		469	10.8a	C46b	αF41b	γF58a	AC173	AA(63)	AA(71)				
2		470	10.8b	C46b	αF39a	γF59a	αβ99						
3		470	10.8b	C46b	γF59b								
4		471	10.8b	A73b	αF41b	γF60a							
5		472	10.10a	C47a	γF60b	(28)[402]	R(36)						
6		473	10.10a	αF44b	γF61a								
7		473	10.10a	γF62a	αβ89								
8		474	10.11a	γF62a									
9		474	10.11a	γF63a	AC(187)	AA(98)							
650		475	10.11b	αF29a	γF64a	AC(187)	X(21)	αβ(120)					
1		476	10.11b	A73b	γF64b	αβ99							
2		476	10.12a	C47a	γF65a	R(36)	AA(108)						
3		477	10.12b	A73b	C47a	γF66a							
4		477	10.12b	αF35a	γF66b	R(36)	αβ97						
5		478	10.13a	γF67a									
6		478	10.13a	A73b	γF67b	(2)[84]	(28)[457]	BRIV:50					
7		479	10.13b	αF40a	γF68a	R(37)							
8		479	10.13b	γF68b									
9		480	10.14a	γF69a									
660		480	10.14a	γF69b									

#		1958	SPPY									
												#661-720
661	481	10,14a	αF40a	γF70a	28[396]							
2	481	10,14b	αF26	γF71a	AE<(156)>							
3	482	10,15a	γF71b	28[381]								
4	482	10,15a	γF72a									
5	483	10,15b	γF72b	28(380)								
6	483	10,15b	A74a	C47a	αF26	γF73b						
7	483	10,15b	C47b	αF49b	γF73b							
8	484	10,16a	A74b	B<4,21a>	C47b	αF16a	γF74b	28[389]	Q(119)	αB(140)		
9	484	10,16a	αF39b	γF75a	28[396]	R(37)						
670	485	10,16b	αF40a	γF76a	28[456]	AD(137)						
1	486	10,17a	αF37b	γF76b								
2	486	10,17a	γF77a	AC(198)	AA(121)							
3	487	10,17b	αF38a	γF77b	αB98							
4	488	10,18a	C48a	αF38a	γF78b	28(248)	AB[14]	AA(26)				
5	488	10,18b	C48a	αF38b	γF79a	AE<(156)>						
6	489	10,18b	C48a	γF79b	R(37)							
7	489	10,18b	C48a	γF80a	AC(198)							
8	489	10,19a	I107	αF46a	γF80b	ααF15a	αB103					
9	490	10,19b	I108	αF46a	γF81a	AC(190)	ααF15b	αB103				
680	490	10,19b	A74a	C48b	γF81b	M(108)	Q(119)	AC(198)	μ(122)	αB103	αB(139)	see'ar'
1	491	10,20a	C48b	αF30b	γF82a	28[389]	31(32)	R(37)				
2	491	10,20a	C48b	γF82b								
3	492	10,20a	A74a	αF46b	γF83b	Q(120)	R(37)					
4	492	10,20b	C49a	γF84a	R(37)							
5	492	10,20b	C49a	γF84b	28[381]	R(38)	AC171					
6	493	10,21a	A74a	C49a	γF85a							
7	493	10,21a	C49b	γF85b	28[402]	R(38)						
8	494	10,21b	C49b	γF86a	28[396]	M(106)	R(38)	μ(113)				
9	494	10,21b	C49b	γF87a	AA[102]							
690	495	10,22a	A74a	B<4,21a>	γF87b							
1	495	10,22b	B4,21a	αF35a	γF88a	X(21)						
2	496	10,22b	αF42b	γF88b	αB100							
3	497	10,23b	C50a	F84	γF89b	X(21)						
4	498	10,24a	C50a	γF90a	AC(187)	AC(204)						
5	498	10,24a	γF90b	28[396]								
6	499	10,24b	C53b	αF48a	γF91a	μ314	M210	M(165)	AC(15)	AC(56)	μ[230]	see'ar'
7	499	10,24b	C50a	γF91b	AC172	AA(41)	AA(43)	AA(50)	AA(110)			
8	500	10,25a	A74a	C50b	γF92a	Q(120)	R(38)	Y(41)	AC(198)	ααF15b	αB(141)	see'ar'
9	500	10,25a	A74a	B<4,21b>	C50b	I100	γF92b	I(124)	AC171	X(22)	AA(42)	see'ar'
700	500	10,25a	A74a	αF36a	γF93a	μ(113)						
1	501	10,25b	γF93b	2(25)	R(38)	X(21)	αB[63]					
2	501	10,25b	C50b	I67	γF94a	μ236	M168	28[360]	M(165)	μ(175)	μ(182)	see'ar'
3	502	10,26a	C51a	γF94b	AB(43)	ααF16a						
4	502	10,26a	C51a	γF95a								
5	503	10,26a	F85	γF95b								
6	503	10,26b	F85	αF16	γF96a	28[376]						
7	503	10,26b	F85	γF96b	ααF16a							
8	504	10,27a	C51a	J3	γF97a	ααF16b						
9	504	10,27a	C51a	αF51a	γF97b	X(21)	AA(71)	AA(105)				
710	504	10,27b	C51b	F86	γF98a	AB(25)	X18	AA(72)	AA(105)			
1	505	10,27b	αF51a	γF98b	R(38)	ααF16b						
2	505	10,28a	C51b	γF99a	28(360)	R(38)	ααF16b					
3	505	10,28a	C51b	γF99b	R(39)							
4	506	10,28a	γF100a	R(39)								
5	506	10,28b	C52a	αF51a	γF100b	M(42)	AC(81)	μ(23)				
6	507	10,29a	C52b	αF51b	γF101b	R(39)	AC181					
7	508	10,29a	F86	γF102a	28(258)	AE<(157)>						
8	508	10,29b	F86	αF52a	γF102b							
9	508	10,29b	αF52a	γF103a	R(39)	AA(37)						
720	509	10,30a	C52b	γF103b								

#721-780

#		1958	SPPY										
721		509	10,30a	C52b	α上52a	γF104a	M(183)	R(39)	μ(246)	ωF17a	X(21)		
2		510	10,30b	C52b	α上52b	γF104b	ωF17a	AA[125]					
3		510	10,30b	γF105a	㉘[415]	ωF17b							
4		510	10,30b	γF105b	R(40)								
5		511	10,31a	γF106a									
6		511	10,31a	γF106b									
7		512	10,31a	γF107a	AA(48)								
8		512	10,31b	α上52b	γF107b								
9		512	10,31b	α上52b	γF108a	R(40)							
730		513	10,32a	C53a	I21	α上53a	γF108b	③77	AB(21)	μ(216)	μ(177)	X(21)	
1		513	10,32a	C53a	α上5a	γF109a	R(40)	ωF17b	X(21)				
2		514	10,32a	C53a	γF109b	㉘[389]							
3		514	10,32b	C53b	αF47b	γF110a							
4		515	10,32b	C53b	αF49a	γF110b	M211	M(165)	R(40)	AC[67]	μ315	ωF17b	see'ar'
5		515	10,33a	αF49a	γF111a	②[83]	⑫[163 n.69]		AA(38)				
6		517	11,1a	B<4,21b>	αF32b	㉒405	αB126						
7		517	11,1a	B4,21b	F87								
8		517	11,1a	F87	R(40)	ωF18a							
9		517	11,1a	F87	AC(207)	μ(155)	ωF18a	αB126					
740		517	11,1b	ωF18a									
1		518	11,1b	ω161	R(40)								
2		518	11,1b	α上7b									
3		519	11,2a										
4		519	11,2a	ωF18a	αB24								
5		519	11,2a	λ(I<10,11)	ωF18a	αB24							
6		519	11,2b	ωF18b	αB24								
7		519	11,2b	ωF18b									
8		519	11,2b										
9		519	11,2b	B<4,22a>	F88	I40	αF12b	δ150	λ35	①101	③72	⑥209	see'ar'
750		520	11,2b	B<4,22a>	F88	αF12b	③73	αB127	AA162				
1		520	11,3a	B<4,22a>	F88	I40	αF12b	δ151	λ36	①101	③73	㉓408	see'ar'
2		520	11,3a	B<4,22a>	F88	I40	δ151	λ37	①102	③73	⑫52	㉓408	see'ar'
3		520	11,3a	B<4,22b>	F88	αF12b	αB127	AA162					
4		520	11,3a	B<4,22b>	F88	I40	αF12b	δ152	①102	αB127	AA162		
5		520	11,3a	α上30a	ωF18b	αB127							
6		520	11,3a	AA[132]									
7		521	11,3b	I104	⑥209	αB99							
8		521	11,3b										
9		521	11,3b	I50	AB14	AA(42)							
760		521	11,4a	I98	αB92								
1		522	11,4a										
2		522	11,4a	⑬[171 n.32]									
3		522	11,4a										
4		523	11,4b	AC179									
5		523	11,4b										
6	1	523	11,4b	BP2	BS15	BT58	BR I:22	BN195	BA7,12	BB8a	BC258	BC(269)	↑
7	2	524	11,5a	BP3	BS25	BT58	BR I:24	BN195	BA7,16	BB8b	BC261	BD<213>	
8	3	524	11,5a	BP4	BS39	BT60	BR I:25	BN196	BA7,16	BB8b	BC261	BD<213>	
9	4	525	11,5b	BP6	BS45	BT60	BR I:27	BN196	BA7,22	BB9a	BC267	BD<213>	
770	5	525	11,5b	BP9	BS51	BT62	BR I:28	BN197	BB9a	BC269	BE97	BF152	
1	6	525	11,6a	BP11	BS55	BT62	BR I:30	BN197	BB9a	BE97	BJ✓	BM(120)	
2	7	525	11,6a	BP12	BS59	BT63	BR II:40	BN197	BA7,26	BB9b	BC260	BE97	see'ar'
3	8	526	11,6a	BP13	BS63	BT63	BR II:40	BN198	BA7,32	BB9b	BC269	BE97	
4	9	526	11,6b	BP15	BS69	BT64	BR II:42	BN198	BA7,36	BB10a	BC262	BF153	
5	10	526	11,6b	BP15	BS73	BT65	BR II:43	BN199	BA7,36	BB10b	BC262	BD211	
6	11	527	11,7a	BP16	BS81	BT67	BR II:46	BN199	BB10b	BF157	BJ✓	BM(118)	
7	12	527	11,7a	BP17	BS85	BT67	BR II:47	BN200	BA7,4a	BB11a	BD<213>	BE97	
8	13	528	11,7b	BP18	BS91	BT68	BR II:48	BN200	BB11a	BC269	BD<213>	BE98	
9	14	528	11,8a	BP19	BS95	BT69	BR II:49	BN200	BB11a	BC260	BE98	BQ(31)	↓
780	15	529	11,8a	BP21	BS99	BT70	BR II:50	BN201	BA7,5a	BB11b	BC262	BD<213>	see'as'

#901-960

#	1958	SPPY										
901	562	12.3b	B<4.29a>	F93	H82	I59	α⊥36b	λ85	μ(201)	μ(214)	see as'	
2	562	12.3b	B<4.29a>	F94	I59	λ86	ω162	③164	λ[92]	αβ39	X24	
3	563	12.4a	B<4.29a>	αβ39	X24							
4	563	12.4a	B<4.29a>	I60	α⊥36b	ε45	λ88	μ208	ω163	①132	M152	see as'
5	563	12.4a	B<4.29a>	ε46	μ210	M152	Q(119)	μ(122)	αβ39	αβ(140)		
6	563	12.4a	B<4.29b>	α⊥36b	ε47	μ211	M152	AB24	μ(205)	αβ39	αλ[539]	see as'
7	563	12.4a										
8	563	12.4b	αF106	AC183								
9	564	12.4b	I41	③72	M(103)	μ(110)						
910	564	12.4b	AB29									
1	564	12.4b										
2	564	12.5a										
3	565	12.5a										
4	565	12.5a										
5	565	12.5a	B<4.29b>									
6	565	12.5a	αμ(7)									
7	566	12.5b	A75b									
8	566	12.5b	A75b	μ(212)								
9	566	12.5b	AC(205)									
920	566	12.5b	A75b	μ212	AB23							
1	566	12.5b	I48	①96								
2	566	12.6a										
3	567	12.6a										
4	567	12.6a										
5	567	12.6b	F95	α⊥5a	②65	③67	28[47]	AA25				
6	567	12.6b	I108	μ311	②24	M208	M(165)	AB(24)	AC(15)	AC(50)	μ[230]	see as'
7	568	12.6b	F96	G93	H83	I62	K817	α⊥37b	ε50	λ91	μ216	see as'
8	568	12.6b	F96	G93	H83	I62	K817	α⊥37b	ε50	λ92	μ217	see as'
9	568	12.7a	F96	G93	I62	K817	ε51	λ93	μ218	①134	①136	see as'
930	568	12.7a	αβ70									
1	569	12.7a	αβ70									
2	569	12.7a	αβ70									
3	569	12.7b										
4	569	12.7b										
5	569	12.7b										
6	570	12.7b										
7	570	12.7b	αβ[63]									
8	570	12.8a	F96	α⊥41b	ω163	αβ47	X26					
9	570	12.8a	AA20									
940	571	12.8a	AA(26)									
1	571	12.8a	AA(26)									
2	571	12.8b	F96									
3	571	12.8b	AB13									
4	571	12.8b	αβ[63]									
5	572	1.8b	I74	AA(100)	AA(121)							
6	572	12.9a	I74									
7	572	12.9a										
8	572	12.9a	F97									
9	572	12.9a	F97	I75								
950	572	12.9a	A75b	F97								
1	573	12.9b	F97	μ240								
2	573	12.9b	28[402]									
3	573	12.9b	α⊥49a	λ120	ω164	①104	M170	R(42)	ααF22b	αβ67	αλ[537]	see at'
4	573	12.9b	ααF22b	αβ67								
5	573	12.9b	A76a	I72	α⊥49b	λ122	①104	μ(240)	ααF22b	αβ67	αφ714	
6	574	12.10a	αβ67									
7	574	12.10a	αβ67									
8	574	12.10a	ααF23a	αβ67								
9	574	12.10a	I73	ααF23a	αβ67							
960	574	12.10b	ααF23a	αβ67								

#	1958	SPPY									
841	544	11.17a									
2	545	11.17a	A75b								
3	545	11.17a	(17)109	(19)90							
4	545	11.17b	M(183)	μ(266)							
5	545	11.17b	AC(203)								
6	546	11.18a	(28)[411]	αα F20a							
7	546	11.18a	(28)[457]	μ(171)							
8	546	11.18a	α上8b								
9	547	11.18a	F90								
850	547	11.18b	F90								
1	547	11.18b	(28)[307]	AB(3)							
2	548	11.19a	AA(23)								
3	548	11.19a									
4	548	11.19b	I(121)	αα F20a							
5	549	11.19b	ω162	(3)[151]	αα F20a						
6	549	11.19b	αα F20a								
7	550	11.20a	B<4.27b>	αα F20b	αβ125						
8	550	11.20a	B<4.27b>	αβ125							
9	550	11.20a	AC(198)	AC(210)							
860	550	11.20a	αα F20b								
1	550	11.20b	AA24								
2	551	11.20b	B<4.27b>	(3)153	μ178	μ(273)	αλ(533)	AA(59)			
3	551	11.20b									
4	551	11.20b	(28)[448]	R(41)							
5	551	11.21a	α上33a	AC(207)	αα F20b						
6	552	11.21a	AB[3*]	αβ33							
7	552	11.21a	αβ33	AA(37)							
8	552	11.21a	α上32b	αβ33	AA(59)	AA(37)					
9	552	11.21b	α上32b	(28)[415]	AE<160>	αβ19					
870	552	11.21b	αβ33								
1	552	11.21b	F90	α上32a							
2	553	11.21b	α上33a	AC172	αα F21a						
3	553	11.21b	R(42)								
4	553	11.22a	αα F21a								
5	553	11.22a	α上33a	AC(92)	αα F21a	AA(37)					
6	553	11.22a	F91	α上40a	αα F21b	X23					
7	554	11.22b	αα F21b								
8	554	11.22b	I35	α上40a	AB36	AB[48]	αα F21b				
9	554	11.22b	F91	I35	α上40a	αα F21b	X23				
880	554	11.22b	F91	X23	AA61						
1	554	11.23a	F91	α上40b	αα F21b	X23					
2	554	11.23a	αα F22a								
3	555	11.23a	F91	α上40b	αα F22a	X23					
4	555	11.23a	α上40b	αα F22a							
5	555	11.23a	F92	αα F22a							
6	555	11.23b									
7	556	11.23b	F93	I29	μ118	(3)101	M107	R(42)	Y41	AB30	AC[46*]	see 'as'
8	556	11.24a	I29	μ119	(3)101	M107	AB31	αα F22b	AA(59)			
9	556	11.24a	A75b	I29	α上10b	μ119	(3)102	M107	Q(119)	AB(21)	AB31	see 'as'
890	557	11.24a	AC206									
1	557	11.24b	(28)207									
2	559	12.1a	A75b	4.26a	F93	α上36a	μ207	(29)(45)	M151	(28)[439]	M[117*]	see 'as'
3	561	12.2b	B4.28a	H82	I59	α上36b	λ82	ω162	(1)131	(3)163	λ[I.tw.32]	see 'as'
4	561	12.2b	B<4.28a>	F93	H82	I59	α上36b	ε45	λ84	μ208	π334	see 'as'
5	561	12.2b	B<4.28a>	F93	H82	I59	α上36b	αβ38	X24			
6	561	12.3a	B<4.28b>	F93	αβ38	X24						
7	561	12.3a	B<4.28b>	F93	R(42)	αβ38	X24					
8	562	12.3a	A75b	B4.28b	H82	α上36b	αβ39	X24				
9	562	12.3a	B4.28b	I59	AC(189)	αβ39	X24					
900	562	12.3a	B<4.28b>	F93	H82	I59	αβ39	X24				

#		1958	SPPY										
													#781-840
781	16	529	11.8b	BP21	BS105	BT70	BRIII:52	BN201	BB116	BE98	BQ(81)	see 25	
2	17	529	11.8b	BP23	BS109	BT70	BRIII:53	BN201	BA75b	BB12a	BE98	BF154	
3	18	529	11.8b	BP24	BS117	BT71	BRIII:54	BN202	BA75b	BB12a	BC261	BD<213>	
4	19	530	11.9a	BP28	BS123	BT72	BRIII:56	BN202	BB126	BJ[✓]	BQ[81]	A75a	
5	20	530	11.9a	BP29	BS127	BT72	BRIII:57	BN202	BA76a	BB12b	BC267	BD<213>	
6	21	531	11.9b	BP34	BS135	BT73	BRIII:58	BN203	BB13a	BC261	BF157	BM(119)	
7	22	531	11.9b	BP36	BS141	BT73	BRIII:59	BN203	BA76a	BB13a	BC(261)	BC262	
8	23	531	11.9b	BP38	BS151	BT75	BRIII:61	BN203	BB136	BC264	BJ✓	BM119	
9	24	532	11.10a	BP40	BS157	BT76	BRIII:61	BN203	BB136	BC262	BF153	BM(120)	
790	25	532	11.10a	BP42	BS161	BT77	BRIII:44	BN204	BB142	BJ✓	B<4.25a>	I13	
1	26	532	11.10b	BP44	BS165	BT78	BRIII:45	BN204	BA76b	BB14a	BC(261)	BC262	
2	27	533	11.10b	BS173	BT81	BRIII:46	BN204	BA76b	BB15b	BC262	BE98	BM(118)	
3	28	533	11.11a	BS181	BT82	BRIII:48	BN205	BA77a	BB15b	BC262	BD212	BE98	
4	29	534	11.11b	BS189	BT84	BRIII:49	BN205	BA77b	BB16a	BC262	BD212	BE99	
5	30	534	11.11b	BS195	BT84	BRIII:51	BN205	BB16a	BC259	BM(118)	BQ79	BU(460)	
6		534	11.11b	B<4.26b>	28[411]								
7		535	11.12a	I36	θ21	μ141	③126	M117					
8		535	11.12a	I36	AC(189)								
9		535	11.12a										
800		535	11.12a	AB29	AC178	AC[180]	μ(239)						
1		536	11.12b	I36	δ152	R(41)	αβ[63]	αβ64					
2		536	11.12b	I36									
3		536	11.12b	I37	δ153	AC65							
4		536	11.12b										
5		536	11.12b	I37	28[434]								
6		536	11.12b										
7		536	11.13a	F88									
8		536	11.13a	A75a									
9		537	11.13a	αβ64									
810		537	11.13a	αβ64									
1		537	11.13a	I37	αβ64								
2		537	11.13a	I37	αβ64								
3		537	11.13b	αβ64									
4		537	11.13b	③52									
5		537	11.13b	B4.27a	αF11b								
6		538	11.13b	μ257	M179	μ(260)							
7		538	11.14a	αF11b	δ165	μ259	M179	μ(155)	μ(177)				
8		538	11.14a	I44	R(41)								
9		538	11.14a	F88	AA162								
820		538	11.14a	αF186									
1		539	11.14b	B<4.27a>									
2		539	11.14b	B<4.27a>									
3		539	11.14b	B<4.27a>									
4		539	11.14b	F89									
5		540	11.15a	I24	αF18b								
6		540	11.15a	I24	λ32	λ[39]	αF19a	αβ(129)					
7		540	11.15a	I24	αF19a								
8		541	11.15a	F89									
9		541	11.15b	I44									
830		541	11.15b	I46	③75	AC(203)	αF19a						
1		541	11.15b	αF11b	28[450]	R(41)	αβ(150)	XS0	AA(72)	AA(115)	AA<165>		
2		542	11.16a	αF11b	αF19a	αβ(150)	AA(71)	AA(115)	AA<165>				
3		542	11.16a	αF19b	AA(105)								
4		542	11.16a										
5		543	11.16a										
6		543	11.16b	AB31	αF19b								
7		543	11.16b	A75b	I51	ω161	③149	AB[40]	AC(208)				
8		543	11.16b	B<4.27b>	I51	AC208							
9		544	11.16b	αβ31									
840		544	11.16b	F89									

see "as"

#961-1020

#		1958	SPPY								
961		575	12,10t	I73	αF23a	αB67					
2		575	12,10t	I73	μ239	②20	M171	μ(141)	αF23a	αB67	αφ714
3		575	12,10t	μ241	M172	AB31	μ[245]	μ(283)	αB68		
4		575	12,10t	AC(210)							
5		575	12,11a	αF23t							
6		576	12,11a	B4,29t	③144	AA(111)					
7		576	12,11a								
8		576	12,11t	A76a	θ47						
9		577	12,11t	αF23t							
970		577	12,11t	α上50t	AC[499]	μ(175)	αF23t	αB70			
1		577	12,12a	αF24a	αB70						
2		577	12,12a	αB70							
3		578	12,12t	α上50t	αF24a	αB70					
4		578	12,12t	A76a							
5		578	12,13a	αF47t	㉘[409]	AB(41)					
6		579	12,13a	αF47a							
7		579	12,13a	A76a	αF47a	R(42)					
8		579	12,13a								
9		579	12,13a								
980		579	12,13a	αF47t	αF24a						
1		579	12,13t								
2		580	12,13t	A76a							
3		580	12,13t								
4		580	12,13t								
5		581	12,14a								
6		581	12,14a	αB(129)							
7		581	12,14a								
8		582	12,14t	B4,26t	㉘[456]	M(72)	AE<160>				
9		582	12,14t	A76a	B4,26t>	②32	㉘(361)	M(72)	AE<160>		
990		582	12,14t	μ(296)	αF24a						
1		582	12,14t	αF24t							
2		582	12,15a	㉘[396]	αF24t						
3		582	12,15a	R(42)							
4		583	12,15a								
5		583	12,15t	㉘(245)							
6		583	12,15t	A76a							
7		583	12,15t								
8		584	12,15t	㉘[415]	AC(103)	AE<161>					
9		584	12,16a								
1000		584	12,16a	F97	αF24t						
1		585	12,16a	F97							
2		585	12,16t	F98							
3		585	12,16t	R(43)	αF24t						
4		585	12,16t	F98							
5		585	12,16t	AC179	AC[180]	μ[258]					
6		586	12,17a	AB(14)							
7		586	12,17a	αF25a							
8		586	12,17a	R(43)							
9		586	12,17a								
1010		587	12,17t	AA(25)							
1		587	12,17t								
2		587	12,17t								
3		587	12,17t	F98	㉘[402]						
4		588	12,18a	μ(177)							
5		588	12,18a	F99	αF25a	X26					
6		588	12,18a								
7		588	12,18a	AB[13]	AB43	AA(25)	AA(26)				
8		589	12,18t	α上53t	R(43)						
9		590	12,19a	αF25a							
1020		590	12,19t	A76a	AB(24)	αF25a					

#		1958	SPPY										
													#1021-1080
1021		590	12,19b										
2		591	12,19b	AC 201									
3		591	12,19b										
4		591	12,20a	A76a	(28)(255)								
5		591	12,20a	αB74									
6		591	12,20a	A76a	αB74								
7		592	12,20a	αB74									
8		592	12,20b	ωF25b	αB75	α[726*]							
9		592	12,20b	A76a	R(43)	αB75							
1030		592	12,20b	αB75									
1		592	12,20b	αB75									
2		592	12,20b	αB75	AA(23)								
3		593	12,21a	αB75									
4		593	12,21a	A76a	ωF25b	αB75							
5		593	12,21a	αF10b	ωF25b	αB75							
6		593	12,21a	αF10b	αB75								
7		593	12,21b	ωF25b	αB75								
8		593	12,21b	B4,29b	ωF26a	αB75							
9		594	12,22a	B4,30a	μ(177)	αB75							
1040		594	12,22a	αB76									
1		594	12,22a										
2		595	12,22a	ωF26a	αB(149)	X(80)	AA(70)						
3		595	12,22a	I3	ωF26a								
4		595	12,22b	I4	αI53b	ωF26a							
5		595	12,22b	A76b	ωF26a								
6		595	12,22b	A76b	R(43)								
7		595	12,22b	αI53b	ωF26b								
8		597	13,1a	F99	I80	αF10b	λ137	ω164	②22	(28)[439]	M(149)	AB25	see at'
9		597	13,1a	A76b	I80	αF11a	AB(47)	λ[137]	μ(272)	B<4,30a>	AA(30)		
1050		597	13,1a	I80	αF11a	λ138	AC(198)	μ(277)	μ(278)	ωF26b	AA(63)		
1		597	13,1b	F99	I81	λ139	②22	AC(13)	λ[Intro 19]	μ(271)	μ(289)	αλ(537)	see at'
2		598	13,1b	R(43)	AC(69)	λ[Intro 24]	αB80						
3		598	13,1b	αB80									
4		598	13,1b	②(24)	αB80								
5		598	13,1b	αB80									
6		598	13,1b	αB80									
7		598	13,2a	R(44)	αB80								
8		598	13,2a	αB80									
9		598	13,2a										
1060		599	13,2a										
1		599	13,2a	AB(16)									
2		599	13,2b	AC 201	αB[150*]								
3		599	13,2b	I*(91)	AE<161>								
4		599	13,2b										
5		600	13,3a	αB130									
6		600	13,3a	αB[63*]									
7		600	13,3a										
8		600	13,3a	αF20a	αB81								
9		601	13,3b	I87	R(44)	αB81	αB(129)						
1070		601	13,3b										
1		601	13,3b										
2		601	13,3b										
3		602	13,4a	(17)106	(28)[399]								
4		602	13,4a										
5		602	13,4a	αμ(6)									
6		603	13,4b	B4,30a	λ[57]	λ[59]							
7		603	13,4b	ωF26b									
8		603	13,4b	AC[46*]									
9		603	13,4b	(28)180	(28)207	Q(120)	AB29	αB(141)					
1080		603	13,5a	AC(50)									

#	1958	SPPY										
												#1081-1140
1081	604	13,5a										
2	604	13,5a	μ59									
3	604	13,5a	μ(296)	αΔF26b	αβ65							
4	604	13,5a										
5	605	13,5b	(28)46	AE<161>								
6	605	13,5b	A76b	E(162)	F100	αF26b	(28)48	(28)[418]	(28)[390]	R(44)	AC(114)	see at'
7	605	13,5b	F100	(28)49	M79	AE<161>	αΔF27a	X41	BC267	AA169		
8	605	13,5b	A76b	(28)49	R(44)	AE<161>	αΔF27a	X41	AA169			
9	605	13,5b	AC114	αΔF27a								
1090	605	13,6a	I88	αF20b	μ279	M190	αΔF27b					
1	606	13,6a	I88	αF20b	μ279	M190	αΔF27b					
2	606	13,6a										
3	606	13,6a	F100									
4	606	13,6b										
5	606	13,6b	αΔF27b									
6	607	13,6b										
7	607	13,6b	R(44)									
8	607	13,7a										
9	607	13,7a	AB29	AC178								
1100	608	13,7b	R(44)									
1	608	13,7b										
2	609	13,8a										
3	609	13,8a	A76b	B<4,26a>	E(177)	FPref.1	F101	M[76']	V(746)	X(40)	AA<165>	↑
4	609	13,8b	B4,26a	E(177)	E(178)	E(183)	E(184)	F101	N(173)	V(746)	X43	see at'
5	611	13,9b	B<4,26a>	F101	AA(169)	AA(177)	AA(185)	AE<162>	BB<176>	αF37b	αβ5	
6	611	13,9b	B<4,26a>	R(44)	AA(177)	AA(185)	AC200	AE<162>	BB176	αF37b	αβ5	
7	611	13,9b	A76b	B<4,26b>	F101	G95	K819	M66	U2	V750	X50	↓
8	611	13,9b										
9	611	13,10a										
1110	612	13,10a	αβ125									
1	612	13,10a	A76b	αφ[724']								
2	612	13,10a	R(45)									
3	612	13,10a	AC193									
4	612	13,10b	μ288	M196	M(103)	μ(110)	αφ724					
5	612	13,10b	μ290	M196	αΔF27b							
6	613	13,10b	AC[179']									
7	613	13,11a										
8	613	13,11a	αΔF28a	αβ84	αφ[726']							
9	613	13,11a	αF26a	αβ84								
1120	613	13,11a	AC(190)	αβ84								
1	614	13,11a	B<4,30a>	αβ85								
2	614	13,11a	αβ85									
3	614	13,11b	μ264	αΔF28a	αβ85							
4	614	13,11b	αβ85									
5	614	13,11b	αβ85									
6	614	13,11b	A76b	μ265	αΔF28a	αβ85						
7	614	13,11b	αβ85									
8	614	13,12a	A77a	BR I:30								
9	615	13,12a	(28)[426]	AC174	AE<162>							
1130	615	13,12a	αΔF28a									
1	616	13,12b	αΔF29b	αβ121								
2	616	13,12b										
3	616	13,12b										
4	616	13,12b	R(45)									
5	617	13,13a										
6	617	13,13a										
7	617	13,13a	R(45)	AC(189)								
8	617	13,13a										
9	617	13,13b										
1140	617	13,13b										

=1141-1200

#	1958	SPPY									
1141	617	13,13b	A77a								
2	618	13,13b									
3	618	13,13b	αF29b								
4	618	13,14a									
5	618	13,14a									
6	618	13,14a	αF29b								
7	619	13,14a	AC193								
8	619	13,14a									
9	619	13,14b	38[429]	R(45)							
1150	619	13,14b	R(45)								
1	620	13,15a									
2	620	13,15a									
3	620	13,15b									
4	621	13,15b	38(114)	38[389]	AE<162>	BRI:28					
5	621	13,15b	B<4,30b>	38[389]	M(172)	AE<162>	μ(241)	BRI:28			
6	621	13,15b									
7	621	13,15b	μ(201)	αB(145)							
8	621	13,16a									
9	621	13,16a	38[439]	M(149)							
1160	622	13,16a	Q(120)	μ(267)	αB(142)	αB(143)					
1	622	13,16a									
2	622	13,16a	αB(144)								
3	622	13,16b	αF30a								
4	622	13,16b	F102								
5	623	13,16b	3[25]	AC(17)	μ[18*]	μ65	μ[305*]	μ(306)	AA(15)	AA41	
6	623	13,16b	I105								
7	623	13,17a	A77a	F102	I105	μ(307)	αF30a				
8	623	13,17a	I105								
9	623	13,17a	F102	μ(306)							
1170	623	13,17a									
1	624	13,17a									
2	624	13,17b	AC(198)								
3	624	13,17b	R(45)								
4	625	13,17b	38[388]	αB(143)							
5	625	13,18a	AE<163>	αF30a							
6	625	13,18a	Q(120)	αB(142)							
7	625	13,18a	αF30b								
8	625	13,18a	I82	αF30b	αB(144)						
9	626	13,18a	A77a	I82							
1180	626	13,18b	B4,30b	I82	AC179						
1	626	13,18b	I82	AB28	αF30b						
2	626	13,18b									
3	626	13,18b									
4	627	13,19a	E(174)	αF30b							
5	627	13,19a	AC(21)	AA(68)	AA(84)						
6	627	13,19b	1[47]	M(33)	AB(40)	μ[23]	αB(148)	αE(7)	αE22	X(67)	
7	628	13,19b	B4,30b	17[106]	αB97						
8	629	13,20b	B<4,31a>	αF34a	17[106]	αB97					
9	629	13,20b	B<4,31a>	αF34a	17[106]	αB97					
1190	630	13,21a	M[42*]	M(172)	M(183)	μ(23)	μ(241)	μ(267)	αF31a	αB88	αE[726*] AC[47*]
1	630	13,21b	αB88	AA(18)							
2	631	13,21b	I83	AC(189)	αF31a	αB88	AA(72)				
3	631	13,21b	I83	αB88							
4	631	13,21b	αF30b	αB88							
5	631	13,21b	αB88								
6	631	13,22a									
7	631	13,22a	αF31a	αB88	αB127						
8	631	13,22a	A77a	AC155							
9	632	13,22a	AC155								
1200	632	13,22b	AC185	μ(305)							

#		1956	SPPY										=1201-1260
1201		632	13.22b	AC185									
2		632	13.22b										
3		633	13.22b										
4		633	13.23a	A77a	B431a	F102	I6	③61	R(45)	AA<164>			
5		634	13.23a	B<431b>	F103	I7	λ11	③62	R(46)	αβ(129)	AA<164>		
6		634	13.23b	μ95	AA<164>								
7		634	13.23b										
8		635	14.1a	A77a	F103	I80	λ136	μ(155)	αβ130				
9		635	14.1a	αF7a									
1210		635	14.1a	A77a	I109	αF35a	δ154	⑪416	λ[Inv.32]	ωF31a	AA<164>		
1		636	14.1b	I109	αF35a	δ155	AA<164>						
2		636	14.1b	F103	αF35b	μ291	②[23]	M198	AB15	ωF31b	αβ98	μq[73c]	see at'
3		636	14.1b	AB15	ωF31b	αβ98							
4		636	14.1b	A77a	αF7a	R(46)							
5		636	14.2a	M[30]	μ[165]	αβ(144)	AA25						
6		637	14.2a										
7		637	14.2a										
8		638	14.2b	I(114)									
9		638	14.2b										
1220		638	14.3a	B<431b>	I95								
1		638	14.3a										
2		639	14.3a										
3		639	14.3b										
4		639	14.3b	αF37a									
5		639	14.3b	αF36b	ωF31b	αβ98	AA(30)						
6		640	14.3b	A77a	Q(120)	αβ(142)							
7		640	14.4a	Q(120)	R(46)	AC(214)	αβ(142)						
8		640	14.4a	αF35b	αβ98	AA(64)	AA[104*]						
9		641	14.4b	αβ98									
1230		641	14.4b	αF35b	㉓[417]	αβ98	AA(41)	AA(64)	AA(71)	AA(118)			
1		641	14.4b	B<431b>									
2		641	14.4b	F103	ωF32a								
3		642	14.5a	A77b	㉓255	㉘[457]	ωF32a	AA(110)	AA(108)	AA(145)			
4		642	14.5a	F104	㉘[434*]	αβ(144)							
5		642	14.5a	αβ(144)									
6		642	14.5b										
7		642	14.5b										
8		643	14.5b	A77b	αF37a	AB28							
9		643	14.6a	αβ(143)	αβ(144)								
1240		644	14.6a	⑮[110n.105]		M(172)	μ(242)						
1		644	14.6b	⑮[110n.105]									
2		644	14.6b	⑮[110n.105]		AB28							
3		645	14.7a	ωF32a									
4		645	14.7a	ωF32b									
5		645	14.7a										
6		645	14.7a										
7		645	14.7b	R(46)	αβ130								
8		646	14.7b										
9		646	14.7b	I101	AB(16)	AB43	AC174						
1250		646	14.7b										
1		646	14.8a										
2		646	14.8a	αΣ1a	μ85	①28	③56	M91	M[85]	AC7	μ79	αβ(148)	
3		647	14.8a	A77b	I104								
4		647	14.8a	αF35b									
5		648	14.9a	A77b									
6		648	14.9a										
7		648	14.9a	㉔(360)	R(46)								
8		649	14.9b	A77b									
9		649	14.9b										
1260		649	14.9b	Q(120)	αβ(141)								

#	1958	SPPY										
												#1261-1320
1261	649	14.9b										
2	650	14.9b										
3	650	14.10a	A77b	B<4,25b>	X42	AA177	AA180	AC113	AC(123)	AC[184*]	AC(198)	see at'
4	650	14.10a	A77b	B4,25b>	X42	AA(169)	AA177	AC113	AC(122)	AE<163>	BB<166>	see at'
5	650	14.10a	A77b	B4,26a	S394	X42	AA172	AC113	AE<163>	BB<17a>	BC(258)	see at'
6	650	14.10a	AC(198)									
7	650	14.10b	*(216)	⊗[418]	M(55)	AA(108)						
8	651	14.10b										
9	651	14.10b										
1270	651	14.11a	A77b									
1	651	14.11a										
2	652	14.11a	B4,32a	αF35b	⊗[391]	AE<172>	AA170					
3	652	14.11a	M[168]	μ[236]								
4	652	14.11b	αB125									
5	652	14.11b	A78a	αF37a								
6	653	14.11b	R(47)	αF32b								
7	653	14.11b	A78a	AC(190)								
8	653	14.12a										
9	654	14.12a										
1280	654	14.12b	A78a									
1	655	14.12b	αL24b									
2	655	14.13a	αF32b									
3	655	14.13a										
4	655	14.13a	A78a									
5	656	14.13b	⑮(102)	⑮[112, 167]		⊗[387]						
6	656	14.14a										
7	657	14.14a										
8	657	14.14a										
9	657	14.14a	⑰(109)	㉘[459]	AA(169)							
1290	657	14.14a										
1	657	14.14b	A78a	αF33a	αB(145)							
2	658	14.14b	⊗[389]	αB99								
3	658	14.14b	②(64)	28(51)	AC(113)	AE<164>	BC(267)	AA(169)				
4	658	14.15a	F104	I107	αF35b	δ164	αF33a	αB125				
5	659	14.15a	R(47)	αB102	αφ[726]	αφ[728*]	AA(17)					
6	659	14.15b	A78a	I106	μ308	M206	AC(210)	αB102	αφ726			
7	659	14.15b	I106	αF33a	αB102	αφ726						
8	660	14.15b	I106	μ309	M206	αB102						
9	660	14.15b	I106	μ310	M206	αF33a	αB102					
1300	660	14.16a	AC55	αF33b	αB102	AA18						
1	660	14.16a	I106	R(47)	αB102							
2	660	14.16a	A78a	αB102								
3	660	14.16a	αB102									
4	660	14.16a	A78a	Q(120)	αB102	αB(142)						
5	660	14.16a	αB102									
6	660	14.16b	I106	αB102								
7	661	14.16b	I106	αB103								
8	661	14.16b	㉘(253)	αF33b	αB103							
9	661	14.16b	αB103									
1310	661	14.17a	αB103									
1	661	14.17a										
2	662	14.17a										
3	662	14.17a	A78a									
4	662	14.17b										
5	662	14.17b										
6	662	14.17b	B4,32a	αF47a	αB104							
7	663	14.17b										
8	664	14.18a	②(21)	αB104								
9	664	14.18a	αB(143)									
1320	664	14.18a	R(47)	AC193								

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#	1958	SPPY	
1321	664	14.18b	μ(239)
2	664	14.18b	
3	664	14.18b	A78a αF48a R(47) αaF33b αφ[730F]
4	664	14.18b	
5	665	14.18b	μ(177) AA94
6	665	14.19a	
7	665	14.19a	
8	665	14.19a	
9	665	14.19a	
1330	666	14.19b	
1	666	14.19b	R(47) αaF33b
2	666	14.19b	αaF34a
3	666	14.19b	③(176)
4	667	14.20a	αβ(144)
5	667	14.20a	A78a αF26a
6	667	14.20a	
7	667	14.20a	R(47)
8	668	14.20b	
9	668	14.20b	
1340	668	14.20b	αβ(145)
1	668	14.20b	F105
2	669	14.21a	F105
3	669	14.21a	
4	669	14.21a	
5	669	14.21a	B<4,32a>
6	669	14.21b	A78a B<4,32b> ②71 ㉘(448)
7	669	14.21b	B<4,32b>
8	670	14.21b	
9	670	14.21b	
1350	670	14.22a	
1	670	14.22a	R(48)
2	670	14.22a	
3	671	14.22a	
4	671	14.22b	
5	671	14.22b	
6	671	14.22b	AB32 αβ(145)
7	672	14.22b	AB28
8	672	14.22b	αF26a
9	672	14.23a	
1360	672	14.23a	AC182
1	673	14.23a	R(48) AC[179]
2	673	14.23a	AB32
3	673	14.23b	
4	673	14.23b	R(48) αβ(145)
5	674	14.23b	αF26a
1366	674	14.23b	AB(10)

#													Cont. Entries
005	S394	T[4]	V[730]	W✓	Y[37]	AB[2]	AB(16)	μ(151)	μ(152)	αα上1a	αβ23		
		αλ[529]	AC[47]										
009	(26)(47)	R(1)	μ(125)	μ(172)	X8	AA(41)							
010	AC[48]	μ[109]	αλ(531)	αμ(5)	BR(II:46)								
011	(28)[418]	M(30)	R(1)	S394	AB(3)	AB(16)	AB(40)	AC(9)	λ(Intro.11)	μ(21)	μ(138)	μ[148]	
		αβ27	AA(58)	AA(111)	AA(131)								
012	V[730]	AB[2]	αβ23	αλ[529]									
019	AC[7]	AC(18)	AC(34)										
024	AA(109)	AA(128)	AA(153)										
031	X8	μ(82)	αα上2b										
036	X9	μ[63*]	μ[128*]	μ[134*]	μ(150)	αα上3b	αλ(529)						
038	αα上3b												
044	X(10)												
049	AB(19)	AB(44)	μ(80)	μ(125)	μ(131)	μ[144]	αλ[532]	αμ(5)					
059	I(120)	M(30)	M[141]	R(6)	AB(18)	AC(9)	AC65	λ(Intro.11)	μ(22)	μ(157)	μ[158]	μ[185]	
		αλ[532]											
071	M[164*]	W✓	μ[62*]	μ(125)	μ[229*]	αβ58	αλ[537*]	αφ[717]	αφ[724*]				
072	αλ(537)												
074	αβ57	αφ(720)	M(164)	AA(62)	AA<163>								
075	X(79)	AA(62)	AA(100)	AA(114)									
076	(38)[33]	I(123)	M(43)	M57	M(58)	AB(46)	λ(Intro.18)	μ(95)	μ(255)	αβ59	αφ(717)	X45	
		AA(62)	AA(144)										
077	λ(Intro.18)	μ(151)	μ(243)	αλ(536)	AA(153)	AA(216)	αβ60						
081	R(9)	AC(111)	AC(113)	AE<148>	λ(Intro.7)	αα上5b	X(9)	X(41)	X(44)	AA(97)	AA<165>	AA(169)	
085	AA(71)	AA(100)											
092	μ(278)	αβ77											
121	(1)114	P542	I(114)	W[✓]	AB(18)	AB(45)	λ(Intro.19)	αφ727	X10				
134	μ[165*]	αα上7b	αλ(536)										
135	AA(168)												
137	(38)[37]	M79	AE<150>	μ(63)	αα上8a	X(9)	BP(6)	BR(II:51)	AA(168)				
148	AA(24)												
149	αα上9a												
151	U3	BR II:46											
153	AA(47)												
154	R(14)	AB(21)	AC[5]	μ79	μ(108)	μ(117)	μ(126)	μ[159]	μ[202]	μ[214]	αλ[540]	X(11)	
		AA(58)											
162	M[88]	M(102)	W(✓)	AB(8)	AC(7)	AC[219]	μ(20)	μ(78)	μ79	μ(108)	μ(122)	αα上11b	
		αλ(530)	αλ(531)										
163	AA(48)												
165	M[31]	R(15)	AB[40]	AC(38)	λ(Intro.8)	μ[22]	αβ32	αλ[532]					
166	AC(196)	μ[57]	αβ70	αμ[2]	αμ9	αμ[10]	αφ[725]	αφ(727)	αφ[730]	U3			
182	AA(30)	AA(65)	AC[47]										
232	μ(235)												
240	AC[179]	AE<153>	αα上22a										
245	λ(Intro.23)	μ[24]	μ[57]	μ[230]	μ(308)	αδ(1)	αμ3	αμ(5)	αμ[10]	αφ[725]			
246	AA(52)	AA(61)	AA(111)										
271	αμ2												
305	αβ[138*]												
307	(24)79	AC38	αβ38	U3									
308	αβ43												
310	αα上32b	αβ44	U3										
312	αβ44	αλ(539)	U3										
313	αβ44	αλ539											
315	αμ(2)	αμ[5]	AA(168)										
324	AB(21)	λ[Intro.7]	αλ(526)										
332	μ(90)	αα下1b											
337	AC[7]	AC34	AC173	μ[24]	μ79	μ[109]	αα下2a	αβ133	X27				
340	αλ(536)	AA(23)											
346	αβ132	X26	AA(61)	AA<164>									
352	μ(234)	αα下3a	αβ76	αλ(538)	αξ(23)	αφ722	AA352						

Cont. Entries

#													
400		αF52	α∅725										
409		(28)[360]	μ(110)	AA(30)									
410		AC(9)	μ(144)	αβ27	AA(111)								
413		αλ(524)											
414		V<739>	AB36	αβ123	X(20)	X(21)							
419		αF62	AA(22)	AB(36)									
420		αF66	αβ(129)	AB(36)									
427		BP(10)											
438		X(20)	AA(36)	AA(59)	AA<166>								
440		(1)110	(3)[26]	(3)146	M124	(28)(426)	I(121)	M(30)	M[141]	AB(3)	AB(38)	AC(9)	AC175
			λ(Intro.10)	λ(Intro.11)	μ(21)	μ(138)	μ[185]	μ[189]	αβ28	αλ(536)	AA54		
442		AC(86)	AC(218)	μ(177)	αλ(532)	AA(59)							
444		αβ28											
450		αF82	αβ(130)	αμ7									
454		αF82	αβ(148)										
459		μ[171]	αβ126	αλ(533)									
461		M135	ξ(2)	(3)154	(22)(40)	(28)[392]	M[31*]	M[117*]	Y[41*]	AB45	AC[10*]	AC31	λ(Intro.12)
			μ[22*]	μ[139*]	αβ34	αδ[1*]	αλ[535]	αλ(540)					
462		λ65	μ180	ξ(2)	M137	P541	(2)14	(7)(118)	(22)(40)	(29)(43)	V(740)	AB21	AC175
			λ(Intro.12)	μ(237)	αβ34	αβ(121)	αε(6)	αλ(541)	U4	X(24)	X(21)	BV(266)	AA(59)
463		V<739>	Y(37)	AC31	αβ34	U4	AA(59)	AC(32)					
464		X14	AA(39)	AA(60)	AA<163>								
467		μ[188]											
472		M143	(21)147	(3)[159*]	(1)127	M[32*]	M[117*]	V<739>	Y[41*]	AB[22*]	AB(46)	AC31	AC192
			λ(Intro.15)	λ[125]	μ[22*]	μ[25*]	μ[139*]	μ(206)	αβ37	αβ(148)	ξ[2*]	αλ(527)	αξ[2*]
			X14	AC(32)									
473		M145	P(541)	λ74	μ193	π327	ω158	(1)130	(29)(40)	(21)153	(28)[381]	(29)[439]	(25)(31)
			I(122)	V<739>	Y38	AB(22)	AC32	λ(Intro.13)	λ(Intro.15)	μ(26)	μ[206]	αβ37	αβ(121)
			X14	BV(266)	AA(60)	AA(163)	αβ(120)						
474		M146	P(542)	μ196	π330	(1)129	(2)(16)	(29)(41)	(21)155	I(122)	M(81)	M(151)	Q(117)
			V(737)	V<739>	AB22	AC174	λ(Intro.14)	μ(26)	μ(190)	μ[206]	αβ38	αβ(120)	αβ(122)
			αλ(528)	αλ(534)	X(7)	X14	X(15)	AA(60)					
475		M148	μ199	ω158	(29)(45)	(21)159	(28)[415]	(28)[439]	M(32)	Q(118)	R(32)	V<739>	AC63
			λ(Intro.13)	λ(Intro.15)	μ(26)	μ[206]	αβ38	αβ(120)	αβ(122)	αλ(528)	X(7)	X(20)	BP(18)
			AA(60)										
476		M149	V<739>	λ[90]	μ(116)	μ[206]	αβ38	αβ(122)	αλ(528)	X(79)			
477		λ[60]	λ[104]	μ(92)	αβ122	αλ(526)							
479		M155	μ213	ω159	(3)166	I(122)	M(81)	M[117]	Q(118)	V(737)	V(740)	AB[23]	AB46
			AD[130]	λ[113]	μ(117)	μ[139]	μ[246]	αF92	αβ42	αβ(121)	αβ(122)	αλ(539)	X(7)
			X16	AA(61)	AA163								
480		AA(62)	AA(100)										
483		αF96	αβ45	αβ131	α∅(720)								
485		X(18)	AA(61)										
486		AD(134)	αβ55	αβ(121)	X(7)	AA44	AA(121)						
488		M166	(2)(17)	M(34)	V(740)	AB19	AC(12)	AC63	AC208	λ(Intro.17)	μ[57]	αF96	αβ55
			αβ(122)	αλ535	αξ9	X(21)	AA(59)	AA(62)	AA(163)				
490		(1)46	(28)[132 n.6.5]	(28)[316]	M(38)	Z149	AC(215)	αβ56	απ197	αλ[537]	αξ22	X17	X60
			AA52	AA62	AA(71)	AA76	AA[100]	AA(220)					
491		P(542)	(3)170	AC(12)	AC(78)	λ(Intro.17)	αβ56	αβ(120)	αβ(122)	X17	AA(61)	AA(100)	AA162
498		X(20)											
502		Q(118)	T(4)	V(737)	AB(6)	μ[302]	αF106	αβ(121)	αβ123	α∅[716]	X(7)	X18	AA(39)
			AA(40)	BV(266)									
505		αβ123	α∅[715]	X(20)	AA(60)								
506		λ(Intro.32)	αβ123	α∅715	X(20)	X(21)							
510		μ(196)	αβ129	X(20)									
513		X(22)											
517		αβ71	αμ8	αμ[10]	X(20)	AA(63)							
518		AC(13)	αλ[538]	AA26	AA(63)								
520		AA(64)											
523		μ(266)	αβ72	αβ(121)	αλ(537)	X(7)	X18						

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													Cont. Entries
525		αF112a	X(20)	BR(II.45)	AA(120)	AA(163)							
530		αβ73	αβ(149)	αφ(722)	X(20)	X(22)	X(71)						
535		AA36	AA(61)										
563		αF122	αβ81	αδ(1)	AA(17)	AA(63)							
578		S393	Y(41)	AC(197)	λ[Intro.32]	αβ87	α[54*]	αφ716	αφ(729)	X(20)	AA(64)	AA(121)	AA(163)
579		αβ87	X(21)	X(22)	AA(64)	AA(163)							
588		αF136	αβ(141)	AA50	AA(110)								
595		AA[64]	AA68										
615		AB(20)	AC175	λ[32]	λ[44]	λ[47]	μ(86)	αλ(527)	X(21)	AA(30)			
680		AA(108)											
696		αλ(538)	AA(65)										
698		X(21)											
699		AA(72)											
702		αF156	AA(121)	AA(163)									
734		αφ[130]	AA(44)	M(70)	AC(109)								
749		⑩443	αβ127	AA162									
751		V<738>	αβ127	AA162									
752		AB36	αβ127	AA162									
766	1	BE96	BJ(1)	BM(118)	BQ79	BU449	BU(466)	BV(263)	A746	B4.226	I9	I[118*]	M76
			T[4*]	X31	AA[57*]	AA174	AA[209*]	AC133	AC[184*]	AE<157>	α上66	λ[Intro.8*]	λ18
			μ[65*]	μ57	μ[100*]	απ192	①68	②42	㉘78	㉓[21]	㉘[26]	㉘[47]	㉘[290]
767	2	BE96	BF151	BM(120)	BQ80	BU449	BU(461)	BV263	B4.226	F Pref.1	I9	I(125)	M76
			N172	P(543)	U2	V744	W(1)	X32	Y39	AA(168)	AA(174)	AA(178)	AC117
			AC135	AC(140)	AE<157>	λ19	①69	②45	㉘86	㉓(19)	㉘[21]	㉘[26]	㉘[42]
			㉘[18]										
768	3	BE96	BF153	BM(118)	BM(120)	BU449	BU(461)	BV263	A746	B4.226	E(182)	I10	I(125)
			N172	V744	AA174	AC117	AC(120)	AC138	AC(140)	AC(155)	AE<157>	λ[Intro.25]	①70
			②45	㉘100	㉘[18]	㉘[20]	㉘[21]	㉘[26]	㉘[44]	㉘[300]			
769	4	BE96	BF156	BJ(1)	BK1	BL1	BM(118)	BM(120)	BQ(80)	BU449	BU(460)	BU(462)	BV(264)
			B4.232	F Pref.2	I10	I(125)	M76	N(173)	R(41)	U2	V745	X9	X32
			AA(167)	AA175	AC117	AC140	AE<157>	α上66	λ[Intro.35]	λ21	λ[46]	μ(63)	αλ530
			απ193	①71	②58	㉘109	㉘[20]	㉘[22]	㉘[23]	㉘[26]	㉘[268]	㉘[319]	
770	5	BI(1)	BM(119)	BU449	BU(461)	A746	B4.23a	I10	X32	Y(40)	AA175	AC136	AC149
			AC(203)	AE<157>	μ54	μ(62)	μ[63]	μ(126)	μ(181)	αβ24	①72	②52	㉘122
			㉘[19]	㉘[26]	㉘[55]	㉘[135]	㉘[221]	㉘[236]					
771	6	BU449	BU(462)	BV(265)	A746	B4.23c	I10	I(125)	U2	AA175	AC(54)	AC124	AE<158>
			δ156	①74	②65	㉘131	㉘[20]	㉘[26]	㉘[206]				
772	7	BF152	BM(120)	BQ80	BU449	BU(461)	A746	B4.23a	E174	I10	I(125)	M77	N172
			V744	X42	Y(40)	AA(167)	AA168	AA175	AA(178)	AC45	AC117	AC118	AC(144)
			AE<158>	λ22	μ46	αβ24	αλ525	①75	②47	㉓[106]	㉖29	㉓140	㉘[19]
			㉘[20]	㉘[21]	㉘[26]	㉘[42]	㉘[43]	㉘[46]	㉘[47]	㉘[135]			
773	8	BF154	BJ1	BM(119)	BQ(80)	BQ(81)	BU449	BU(461)	BV(265)	A746	B4.23a	I10	M77
			N173	U2	V744	X33	Y(40)	AA(168)	AA175	AC120	AC(143)	AC145	AE<158>
			α上66	δ157	①76	②55	㉘148	㉘[26]	㉘153	㉘[346]			
774	9	BM(118)	BQ(81)	BU449	BU(460)	BU(462)	A746	B4.236	I11	AA175	AC119	AE<158>	②59
			㉘159	㉘[20]	㉘[23]	㉘[26]							
775	10	BE97	BG1	BH(1)	BM(119)	BQ(81)	BU450	BU(460)	A746	B4.236	F Pref.2	I11	M77
			R(41)	V746	W(1)	X33	AA175	AC148	AE<158>	λ23	αλ532	②60	㉘166
			㉘(19)	㉘[21]	㉘[26]	㉘[55]	㉘[181]	㉘[222]	㉘[300]				
776	11	BQ(81)	BU450	BU(460)	BV263	A746	B4.236	F Pref.2	I11	I(125)	M77	W(1)	X33
			AA(161)	AA177	AC(115)	AC(125)	AE<158>	α上66	δ158	λ[Intro.26]	①77	②66	㉘175
			㉘[21]	㉘[26]	㉘[37]	㉘[55]	㉘[221]	㉘[347]					
777	12	BQ(81)	BU450	A746	B4.236	E182	I11	V<747>	X35	AA176	AC121	AC155	AE<158>
			δ159	μ[66]	απ194	①78	②61	⑭173	㉘182	㉘[20]	㉘[21]	㉘[25]	㉘[26]
			㉘[66]	㉘[163]	㉘[222]								
778	13	BM(119)	BQ(81)	BU450	BU(461)	A75a	B4.236	I11	I(125)	M77	U2	V<747>	X35
			AA176	AC121	AC154	AE<158>	α上66	②61	㉘193	㉘[20]	㉘[21]	㉘[22]	㉘[25]
			㉘[26]	㉘[66]	㉘[66]	㉘[228]							
779	14	B4.24a	I11	W(1)	AA177	AA180	AC(125)	AE<158>	②65	㉘201	㉘[20]	㉘[21]	㉘[26]
			㉘[253]										

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780	15	BE98	BF152	BG1	BH1	BI1	BJ1	BQ(81)	B<4.24>	I12	I(125)	V<747>	
			AA(180)	AC147	AE<158>	α上6b	②59	㉘210	㉕[18]	㉘[26]	㉕[55]	㉘[308]	AA175
781	16	B<4.24>	I12	AA175	AC147	AC199	AE<158>	②70	㉓223	㉘[18]	㉕[20]	㉘[21]	㉘[24]
			㉙[25]	㉕[27]	㉘[37]	㉕[66]	㉘[63]	㉘[347]					
782	17	BQ[81]	B4.24>	I12	I(125)	V745	AA(167)	AA175	AC83	AC125	AE<159>	λ24	②60
			③(27)	㉓230	㉘[20]	㉘[21]	㉘[27]	㉘[40]	㉘[60]	㉘[65]	㉘[53]	㉘[241]	㉘[346]
			㉕[347]										
783	18	BE98	BF155	BM(120)	BQ[81]	BU450	BU(461)	B<4.24>	F[Pref 3]	I12	V<747>	X35	AA(169)
			AA176	AA(180)	AC121	AC154	AE<159>	δ160	λ[Intr.24]	②61	㉘233	㉙(19)	㉘[20]
			㉘[23]	㉘[25]	㉘[21]	㉘[36]	㉘[31]	㉘[55]	㉘[308]	㉘[349]	㉘[355]		
784	19	B4.24>	I12	AA176	AE<159>	u[63]	②53	㉘251	㉘[19]	㉘[20]	㉘[21]	㉘[22]	㉘[27]
			㉘[209]	㉘(316)									
785	20	BE98	BQ(80)	BQ[81]	A75a	B4.24b	F Pref.1	I12	V<747>	X36	AA(168)	AA176	AA(180)
			AC88	AC(141)	AC151	AE<159>	α上7a	λ26	②53	㉘261	㉘[20]	㉘[27]	㉘[44]
			㉘[55]	㉘[120]	㉘[355]								
786	21	BQ(52)	BU450	BU(461)	BV(264)	A75a	B4.24b	I12	M77	U2	V<747>	X36	AA167
			AA177	AC122	AE<159>	α上7a	λ27	①79	②67	㉘270	㉘[21]	㉘[27]	㉘[65]
			㉘[221]	㉘[324]	㉘[354]								
787	22	BC(264)	BD212	BE98	BF156	BM(119)	BQ(82)	BU450	BU(461)	B4.24b	E177	E(184)	I13
			M78	M(144)	N173	V746	ω(1)	X36	AA176	AA(177)	AA(181)	AA(182)	AC(162)
			AC(163)	AC164	AE<159>	α上7a	δ161	λ28	μ(56)	μ(62)	μ(201)	αβ530	①79
			㉘280	㉘[18]	㉘[20]	㉘[21]	㉘[27]	㉘[47]	㉘[65]	㉘[188]	㉘[191]	㉘[200]	㉘[229]
			㉘[298]	㉘[323]	㉘[326]	㉘[354]							
788	23	BQ(32)	BU450	BU(461)	BV(263)	BV(266)	B4.24b	E178	I13	I(126)	M77	R(41)	V<748>
			X37	AA(169)	AA177	AC123	AE<159>	α上7a	②56	㉘293	㉘[21]	㉘[27]	㉘[55]
			㉘[65]	㉘[288]	㉘[324]	㉘[354]							
789	24	BQ(82)	BU450	BU(461)	BV(263)	A75a	B4.25a	E175	E(182)	I13	I(125)	M78	M[82]
			X38	AA(169)	AA177	AC120	AE<159>	α上7a	②46	㉗43	㉘303	㉘[18]	㉘[19]
			㉘[25]	㉘[27]	㉘[65]	㉘[249]	㉘[250]						
790	25	AA178	AC127	AE<159>	②70	㉘310	㉘[20]	㉘[21]	㉘[23]	㉘[27]	㉘[65]	㉘[209]	㉘[259]
			㉘[283]	㉘[288]	㉘[324]								
791	26	BD212	BF156	BM(119)	BQ(82)	BU450	BU(461)	BV265	A75a	B<4.25>	E(177)	I13	I(126)
			V745	X38	AA176	AA(177)	AA(181)	AA(182)	AC102	AC(162)	AE<159>	α上7a	②57
			㉘318	㉘[20]	㉘[24]	㉘[27]	㉘[298]						
792	27	BQ(82)	BU450	BU(460)	A75a	B4.25a	E(182)	I13	M78	N173	U2	V745	X39
			AA176	AC158	AE<159>	②55	㉘329	㉘[21]	㉘[27]	㉘[66]	㉘[68]	㉘[188]	㉘[191]
793	28	BE100	BF155	BJ(V)	BM(118)	BM(119)	BQ(81)	BQ(82)	BU450	BU(460)	BU(461)	BU(462)	BV266
			A75a	B<4.25>	E(177)	E178	E[180]	I14	I(126)	M(80)	N173	P543	V746
			X39	Y39	AA176	AA(178)	AA(180)	AA(182)	AA(183)	AC165	AC(166)	AE<160>	λ29
			μ(44)	μ(62)	αE7	απ195	①81	②56	㉚28	㉘336	㉘[27]	㉘[62]	㉘[65]
			㉘(191)	㉘[288]	㉘[291]	㉘[354]							
794	29	BF155	BM(118)	BM(120)	BQ(82)	BU450	BU(460)	BU(461)	BV(264)	A75a	B4.25b	E179	E(182)
			E(183)	F[Pref 3]	I14	I(125)	U2	V746	X39	AA(169)	AA177	AA(182)	AC(117)
			AC122	AC(141)	AC(162)	AC165	AE<160>	λ[Intr.27]	①81	②61	㉘348	㉘[19]	㉘[20]
			㉘[21]	㉘[27]	㉘[36]	㉘[44]	㉘[60]	㉘[65]	㉘[242]	㉘[319]	㉙79		
795	30	A75a	B4.25b	I14	AA174	AC(19)	AE<160>	α上76	δ162	λ30	απ196	②71	③(13)
			㉘356	㉘[24]	㉘[27]								
887		αT226	αφ[720*]	AA(58)	AA[222*]								
889		AC(56)	αβ(139)	AA(58)									
892		M(149)	μ[39*]	μ(201)	μ[212*]	αβ38	ε[2*]	αδ[1*]	X23				
893		αβ38											
894		M152	①132	③163	㉖43	αβ38	X23	AA61					
901		αβ39	X24										
904		AB23	αβ39	X24									
906		X(79)	AA61										
926		αβ127											
927		M156	P542	ψ54	①133	②17	③167	M[177*]	Y[41*]	AB23	AB[25*]	AC[11*]	AC37
			μ(111)	μ[139*]	αβ43	U3	X25	AA61					
928		M157	ψ54	①133	AC37	αβ43	U3	X25					
929		M159	③167	㉖41	㉓40*	AB23	AC37	AC175	λ[Intr.16]	μ(193)	αβ43	αλ539	see at*

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Cont. Entries

929		cont. from 25	U3	X25	BV(266)	AA61							
953		AA62											
1048		B<4.296>	AC(13)	AC[467]	μ(195)	μ(201)	μ[275]	AA(30)	AA(63)				
1051		αφ723	AA(63)										
1086		AE<161>	X41	X(80)									
1103		AA(169)	AA177	AA(178)	AA179	AA(185)	AC(141)	AC[184]	AE<162>	BB<172>	BC260	BQ80	BU(451)
			αF37a	θ29	μ45	μ(305)	αβ5	αε(7)	αω(1243)	(2)48	(18)71	(18)[108]	(28)28
			(28)30	(25)43	(28)[418]								
1104		Y(39)	AA<165>	AA(178)	AA179	AA(180)	AA(183)	AA(185)	AC(141)	AC165	AC(166)	AE<162>	BA7,74
			BB17a	BC263	BE(99)	BR(II:51)	αF37a	λ[Intro21]	μ(14)	μ(44)	αβ5	αε(6)	(18)71
			(18)[108]	(28)30	(28)(333)								
1105		(18)72	(18)[109]	(28)33									
1106		(18)72	(18)[109]	(28)34									
1107		AA65	AA146	AA(185)	AE<162>	BB<182>	αF376	λ159	μ42	ω164	αβ5	(2)(38)	(18)73
			(18)[109]	(28)34									
1212		AA42											
1263		AE<163>	BB<166>	BC259	BR(III:61)	BR(IV:50)	(2)62	(22)406	(28)35	(28)354			
1264		BC261	BJ1	αF37a	(2)62	(22)407	(28)38	(28)(354)					
1265		(2)62	(22)407	(28)40									